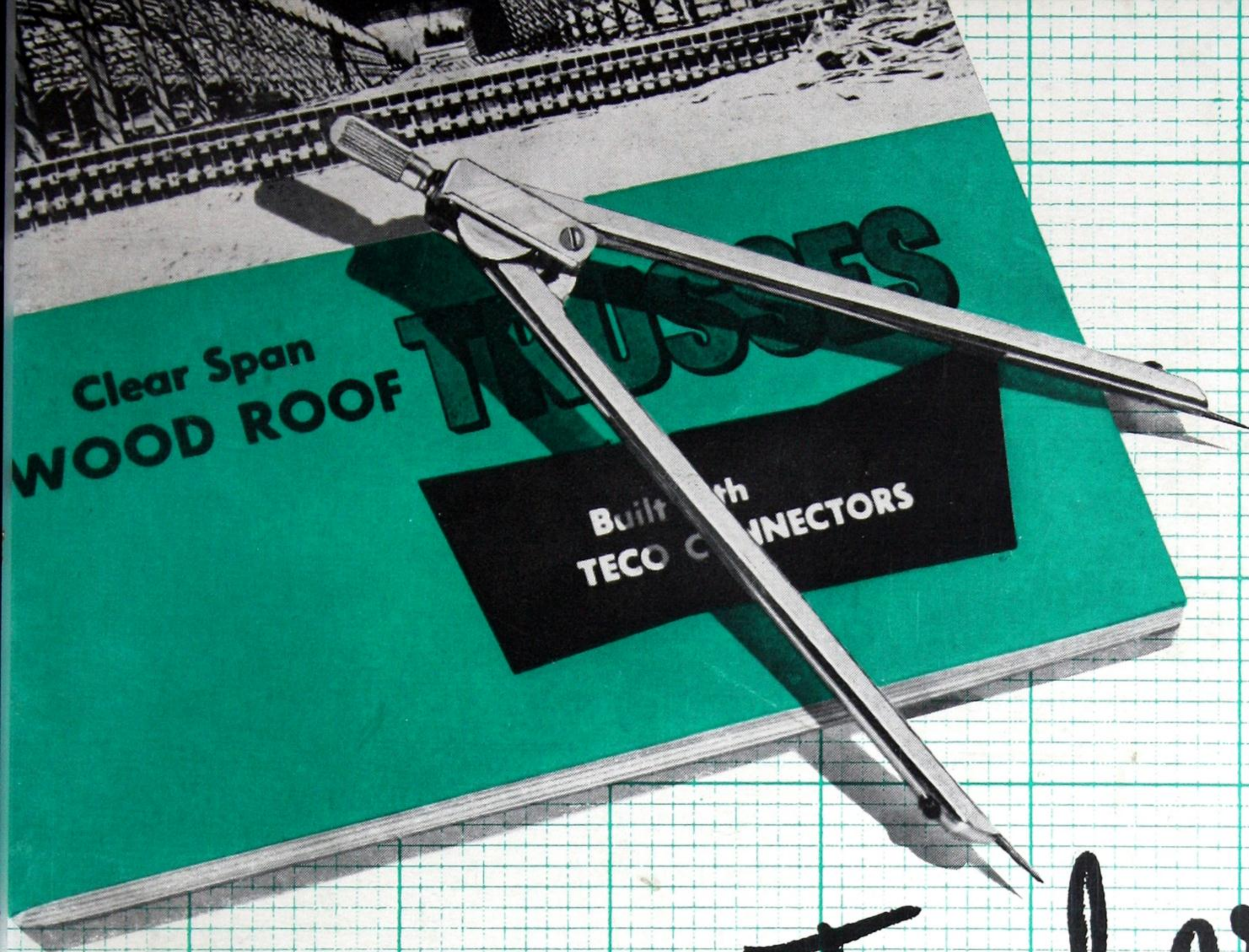




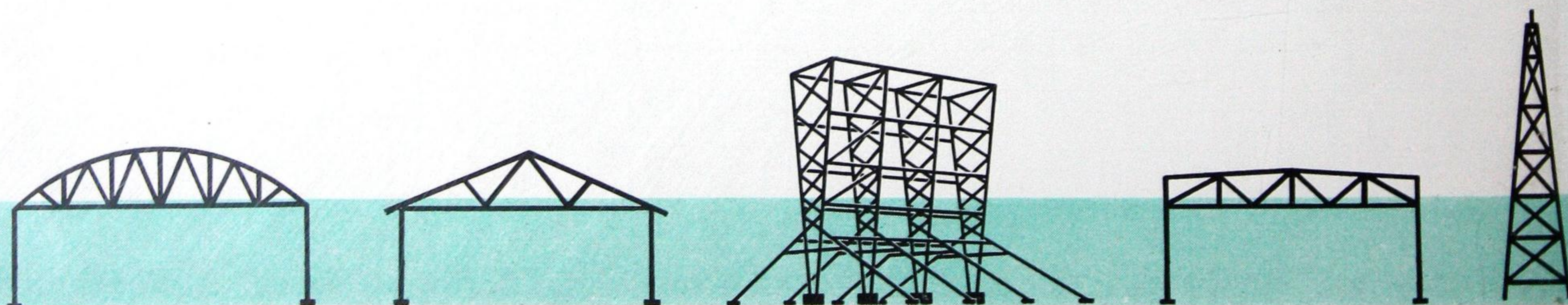
Specify Timber
with the TECO System

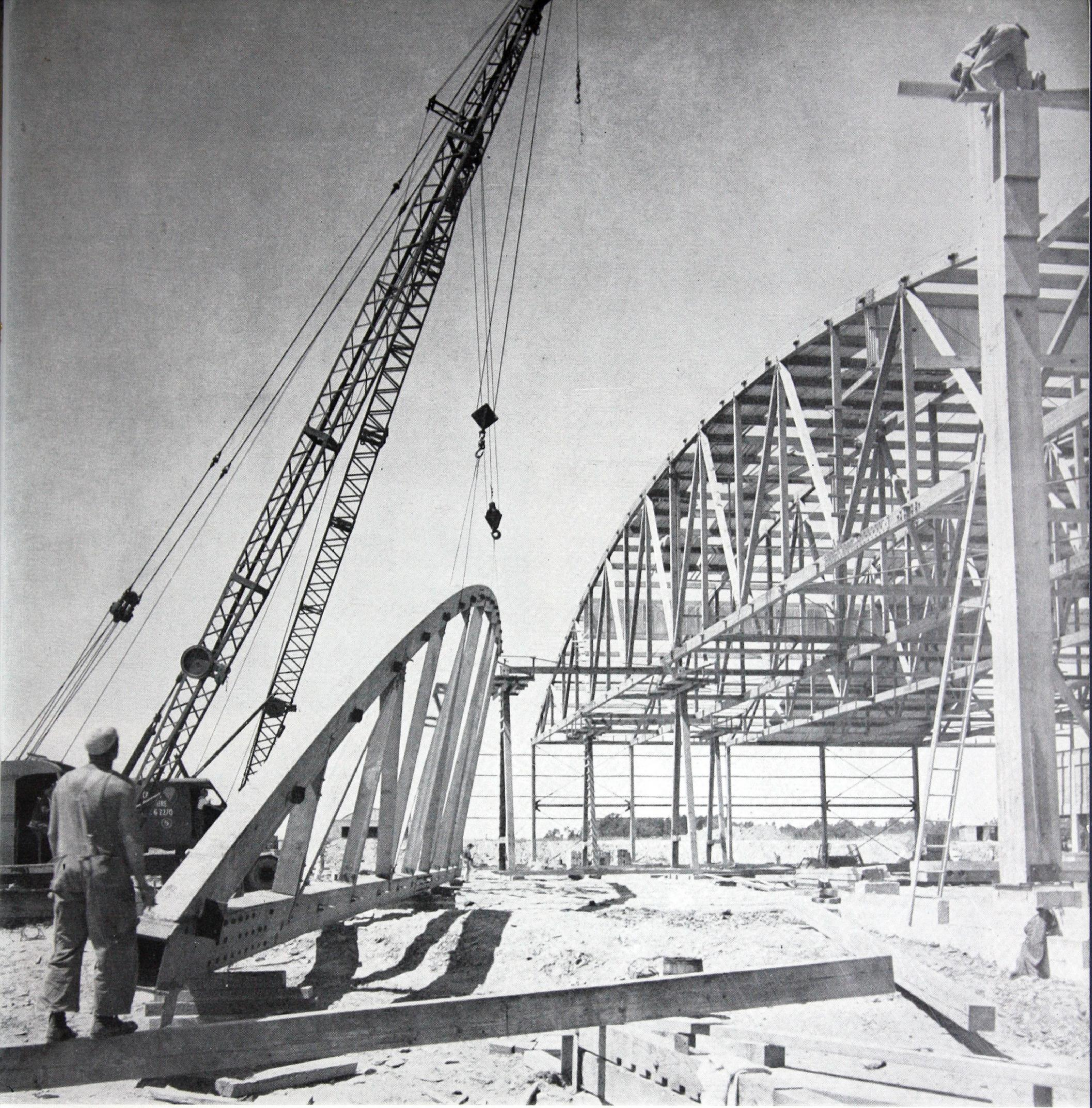
**FOR INDUSTRIAL AND
COMMERCIAL STRUCTURES**

T

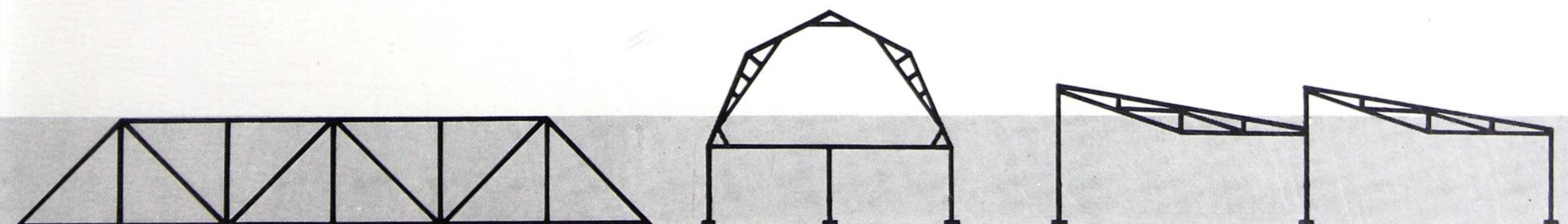
HERE is a certain sureness with which the designer specifies timber for his next project. Its economy, permanence and inherent strength comprise a combination seldom matched. Through its versatility it is adaptable to almost any type of construction. From the small suburban store to the huge aircraft hangar with clear spans of 250 feet and more, engineered timber does the job best through three principal methods of design—the TECO connector system, glue laminated construction, and Lamella construction.

On the following pages are photos representing some of the finest timber construction in the public, commercial and industrial fields. They are presented here to show today's designer and builder how tomorrow's buildings can be built better, faster, more economically, with timber—the only building material renewed by nature as we use it.





Westchester Hangar, White Plains, N.Y. Bowstring trusses fabricated by Timber Structures, Inc., Portland, Oregon.



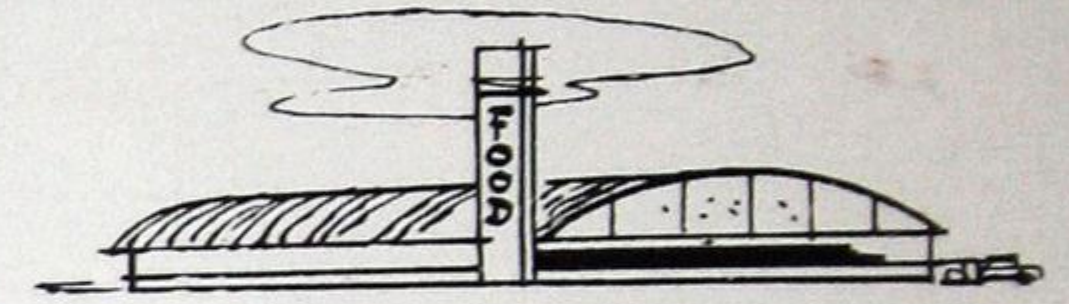
1940's

20-



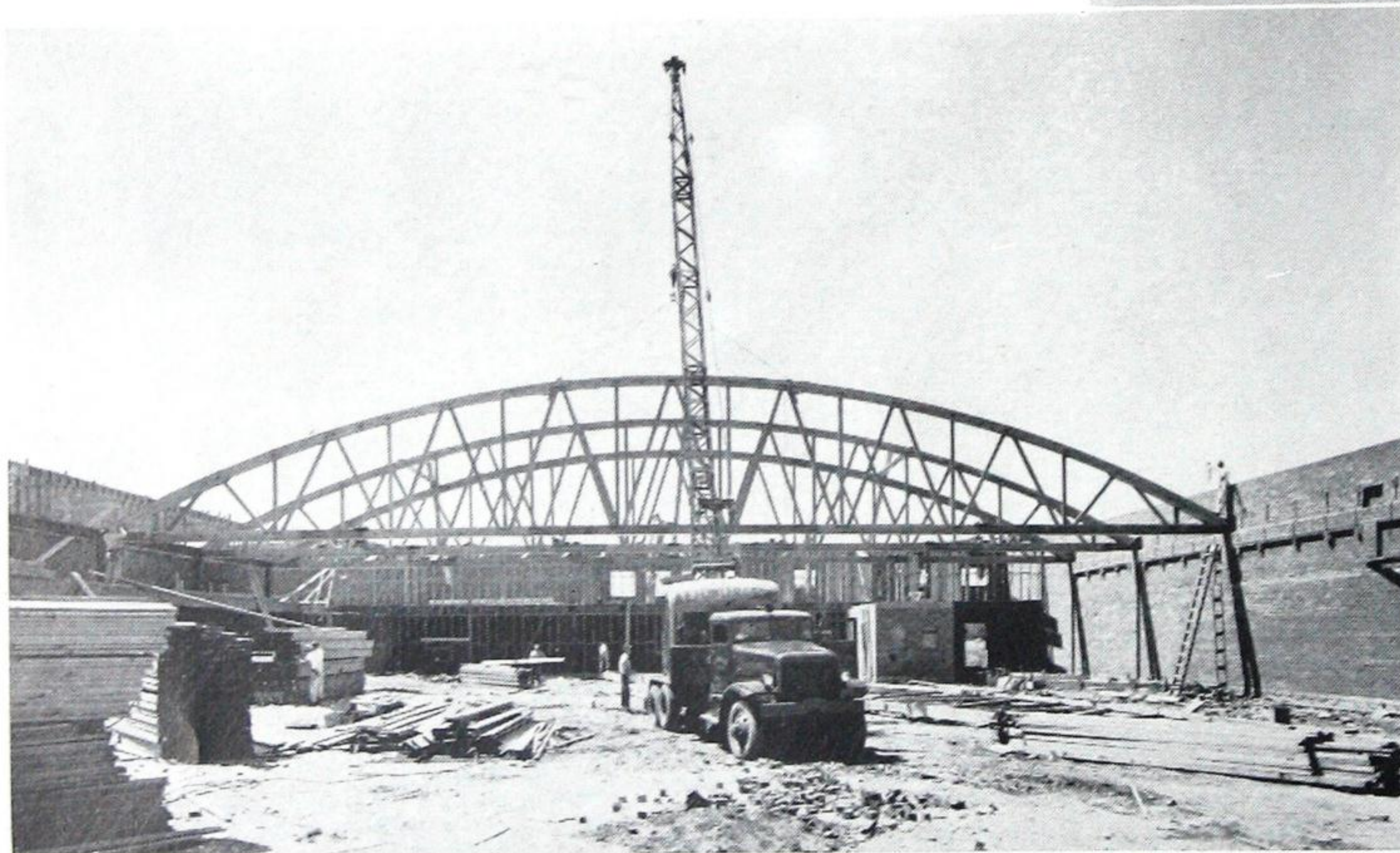
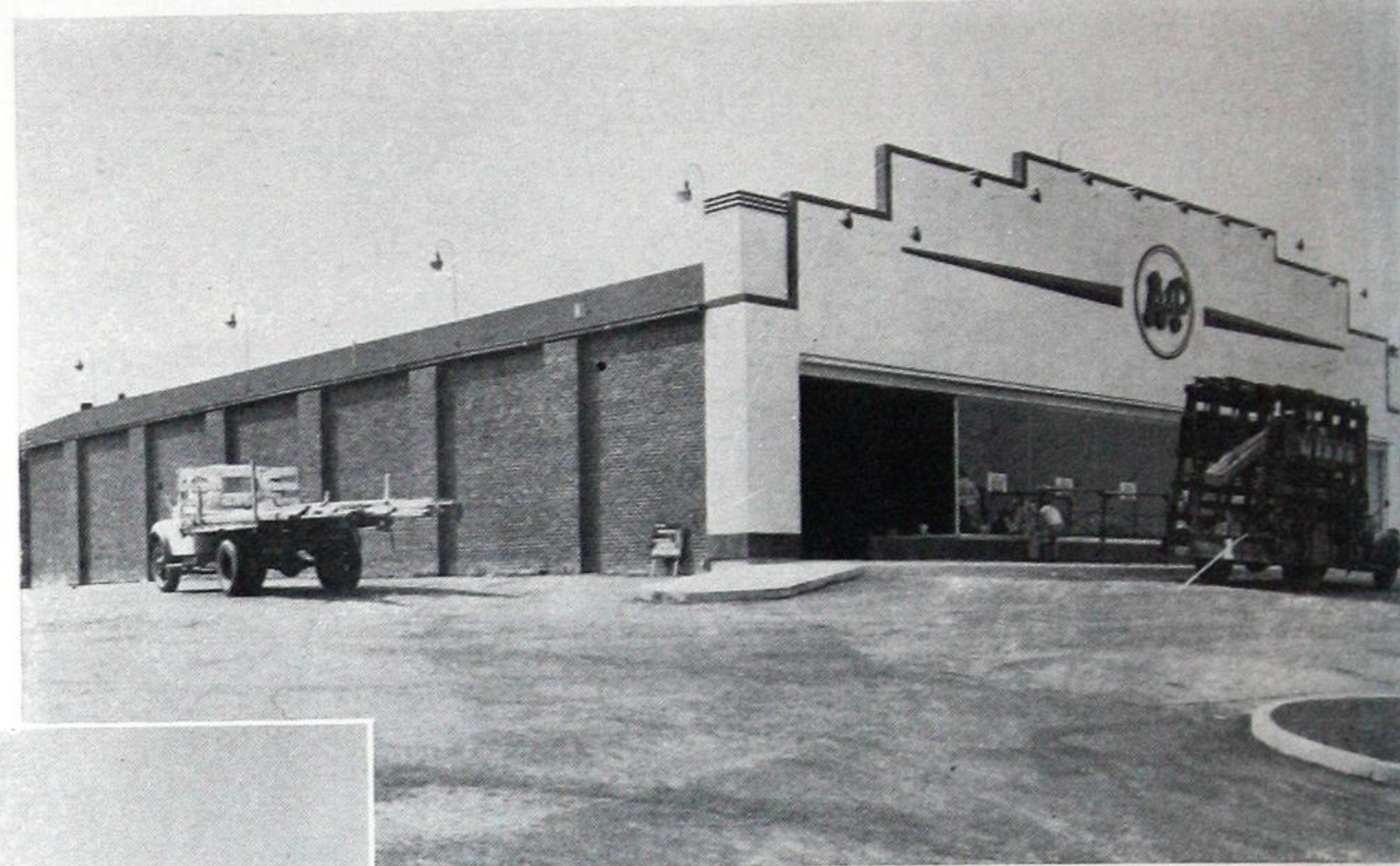
STORES AND

MARKETS



Above: Boyd's Men's Store, Clayton, Missouri, using 50' span TECO trussed rafters fabricated by Roof Structures, Inc., Webster Groves, Missouri. Trip-L-Grip framing anchors frame ceiling chords into carrying trusses.

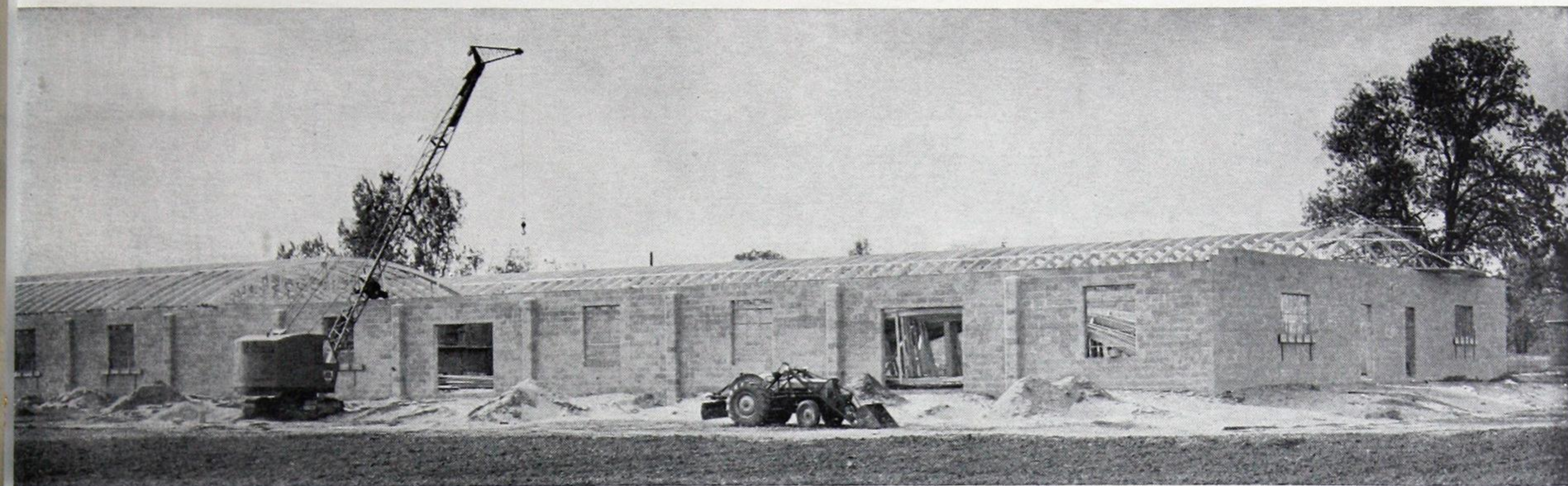
Below: Market Basket, Inc., Fullerton, California, with 112' span Summerbell bowstring trusses.



Above: Atlantic and Pacific market, Prince Georges County, Maryland, 85' x 135'. Arch-TECO bowstring trusses fabricated by Timber Structures, Inc., Portland, Oregon, and furnished by James H. Carr, Inc., Washington, D. C.

Below: Norwalk Square Supermarket, Norwalk, California. Bowstring roof trusses fabricated and assembled by Summerbell Roof Structures, Los Angeles.





Above: Shopping center for David Weinberg & Sons, Knox, Indiana. Tied arches, 100' span, fabricated by H & K Products, La Porte, Indiana.



Below: Safeway Store, New York City. 100' bowstring trusses fabricated by Cartwright & Morrison, Holcomb, New York. TECO Wedge-Fit split rings furnished by TECO distributor, Campbell & Ives Co., Inc., New York City. Trip-L-Grip framing anchors frame roof and ceiling joists flush into sides of truss chords.

Above: Food Center Supermarket, St. Louis, Missouri, using a 120' Lamella roof fabricated by Roof Structures, Inc., Webster Groves, Missouri.



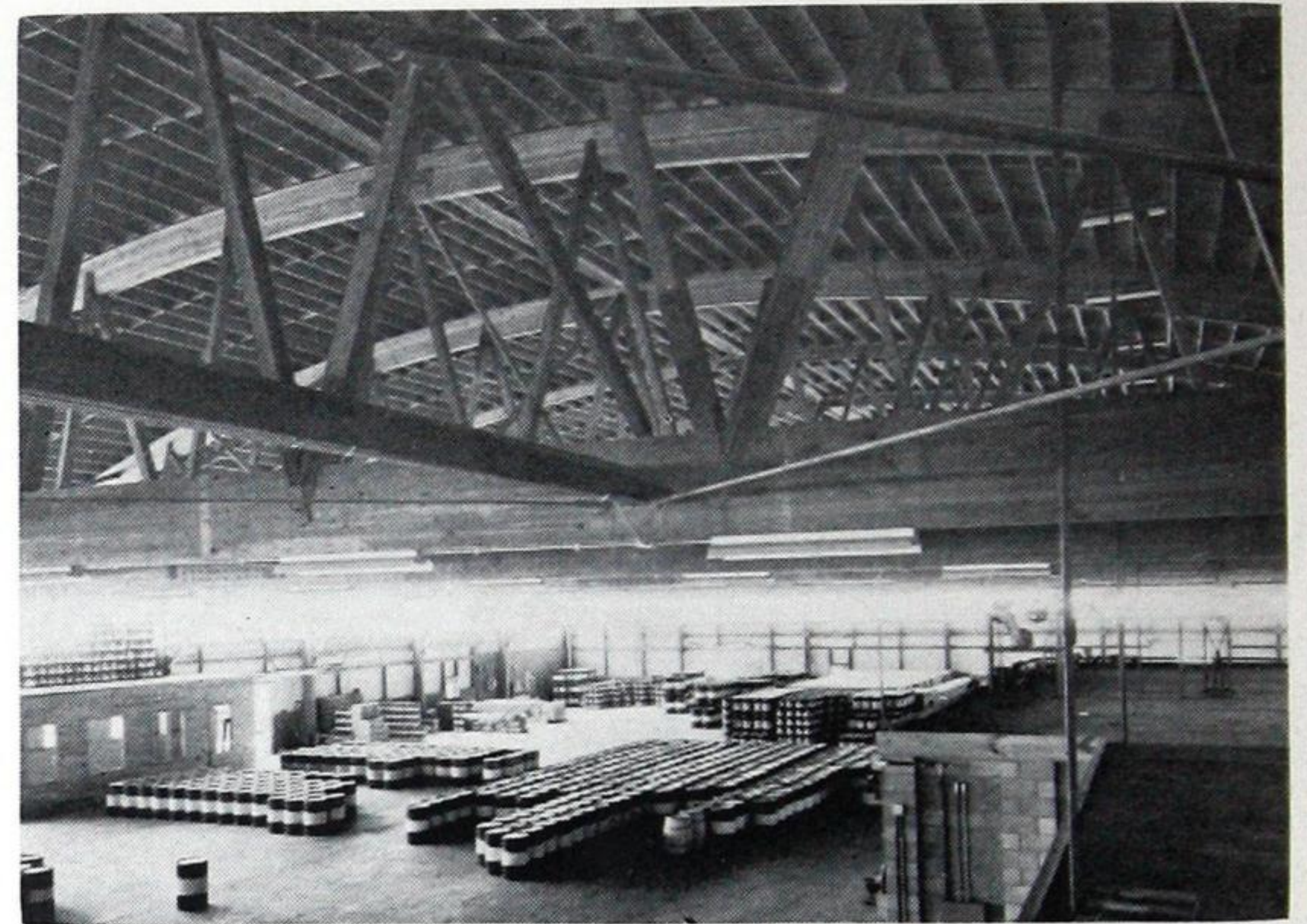
Below: Westgate Supermarket, Tacoma, Washington. Eleven glu-lam tied arches, 102'-11" span, fabricated by American Fabricators, Bellingham, Washington.



FACTORIES

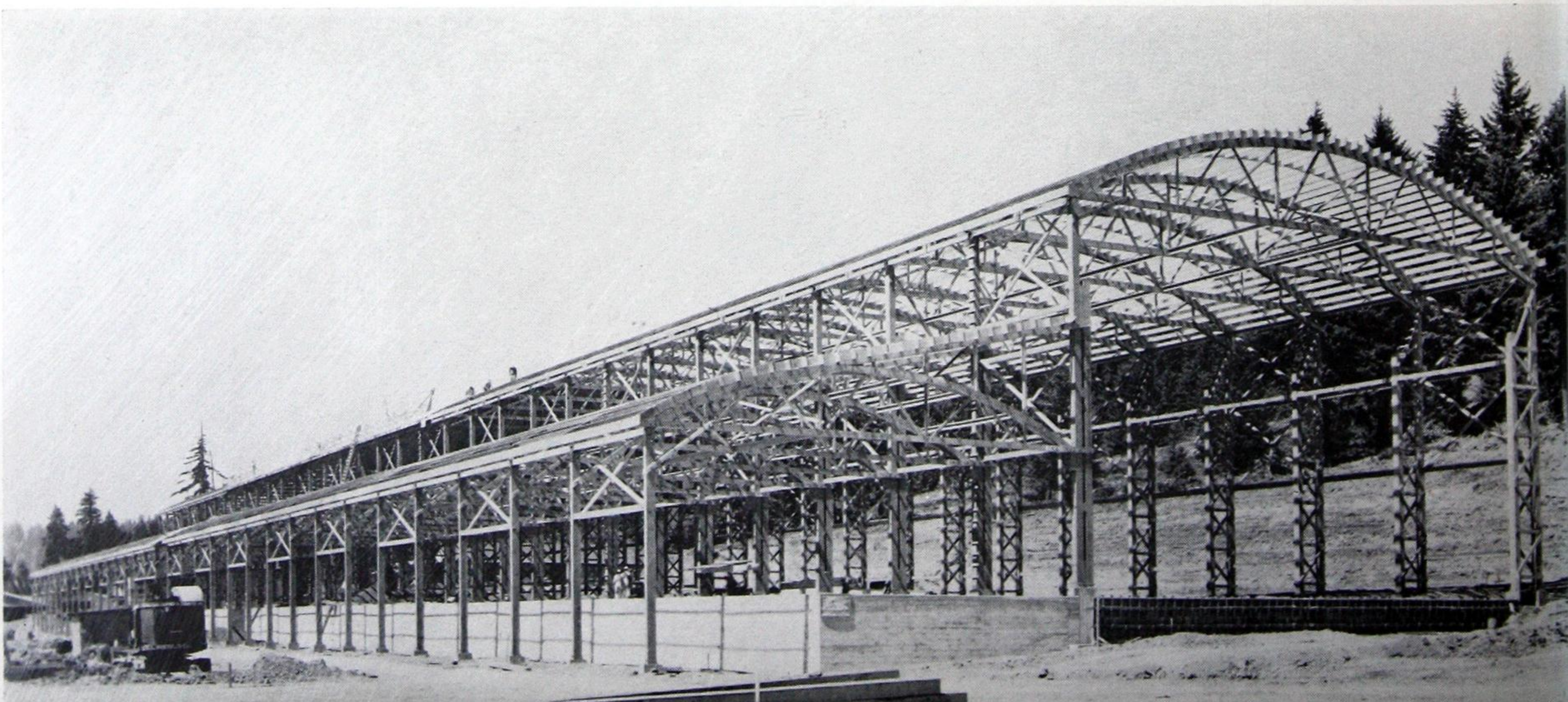


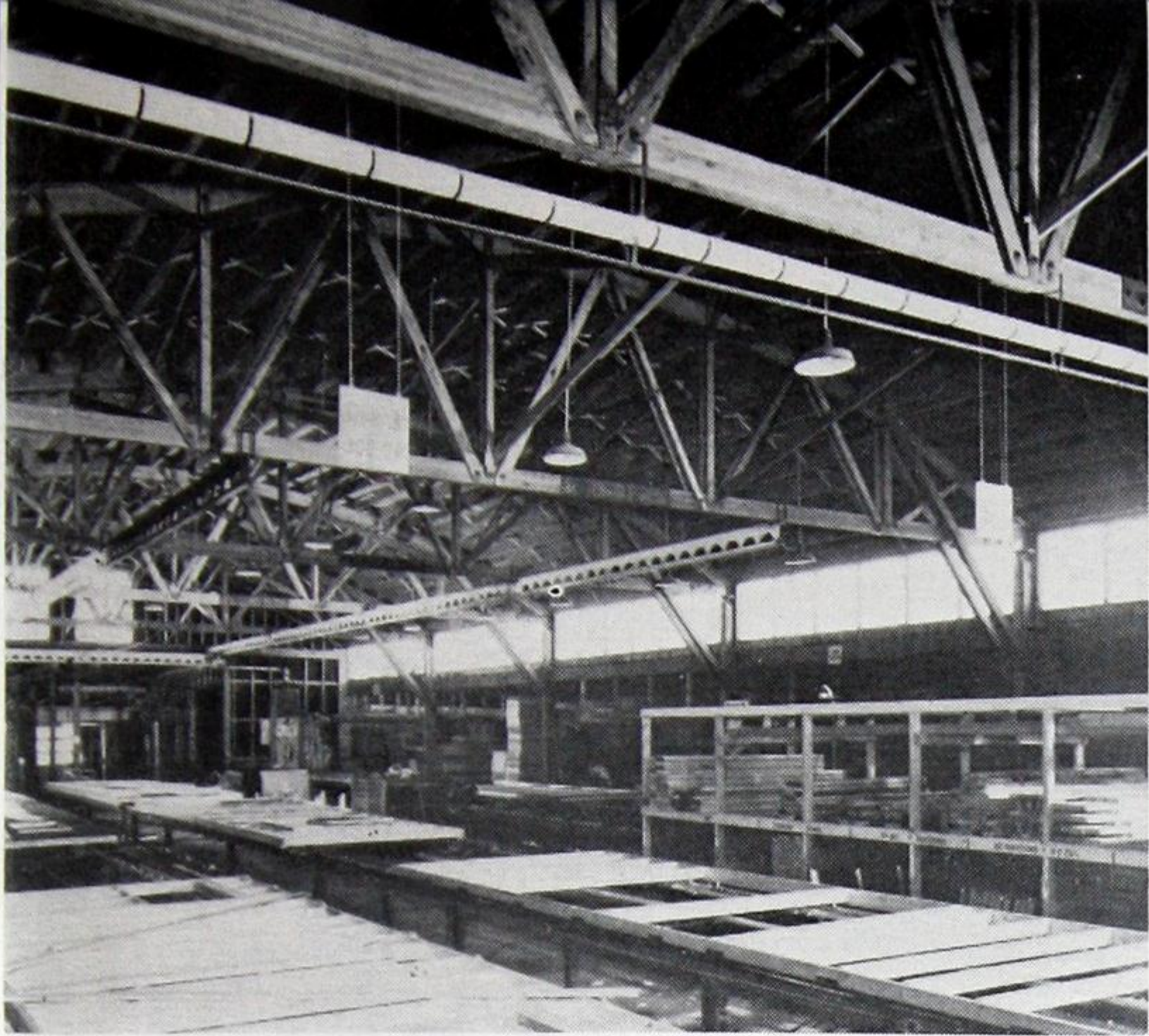
Above and Right: Esso Standard Oil plant and warehouse, Charleston, South Carolina. Tim-Trusses, 150' span, spaced 24' on centers. Fabricated by Timber Structures, Inc., Portland, Oregon.



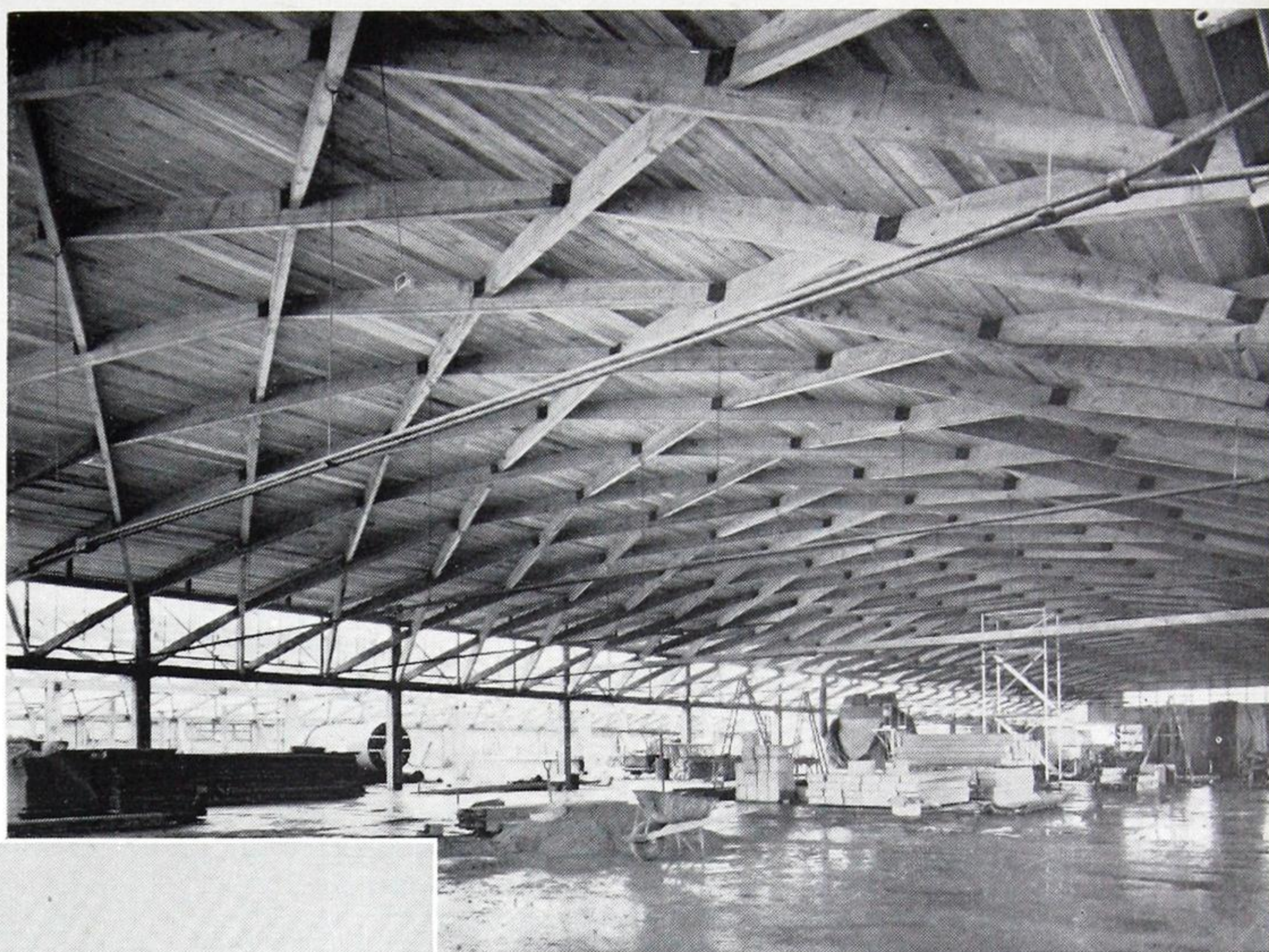
Left: Factory building owned by Greenville, Pennsylvania, Business Men's Association. Rilco bowstring trusses fabricated by Rilco Laminated Products, St. Paul, Minnesota.

Below: Mill train shed for the Long Bell Lumber Co., Vaughn, Oregon, using TECO connector bowstring trusses.





Above: Factory for International Homes, Inc., Mineral Ridge, Ohio. Rilcord trusses, 60' span, fabricated by Rilco Laminated Products, Inc., St. Paul, Minnesota.

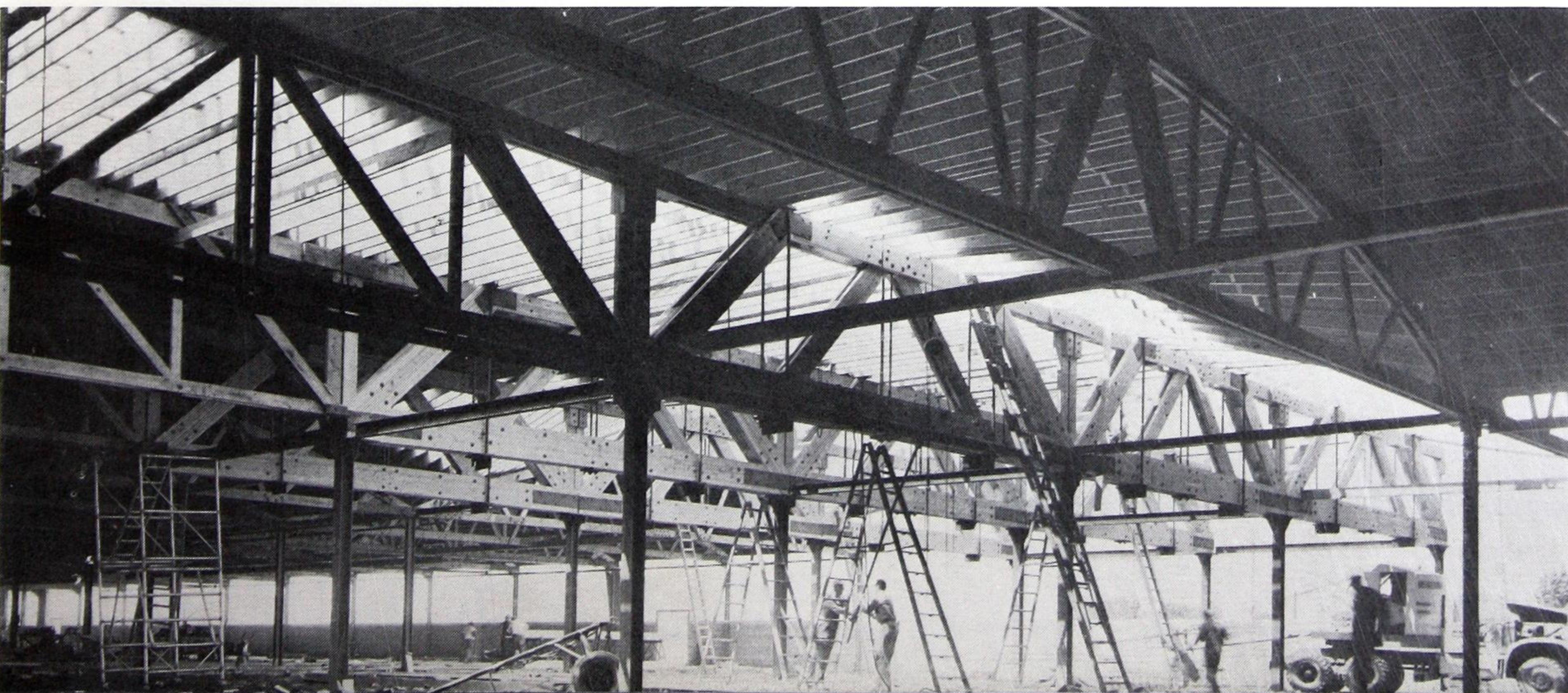


Above: Manufacturing Building, Universal Match Corporation, Ferguson, Missouri. Lamella roof fabricated by Roof Structures, Inc., Webster Groves, Missouri.



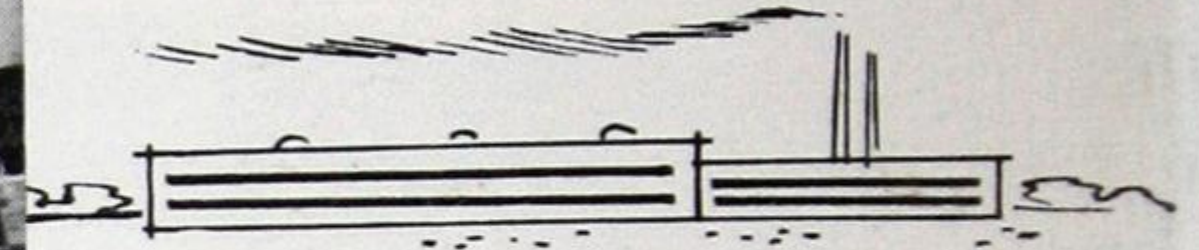
Left: Factory building for Rilco Laminated Products, Inc., Albert Lea, Minnesota. Bowstring, 120' and 80' spans, spaced 20' on centers.

Below: Laminated bowstring trusses 60' long and twelve TECO connector 45' flat Howe trusses were used in this building for the Advance Transformer Building, Chicago, Illinois. Trusses fabricated by McKeown Brothers Co., Chicago.



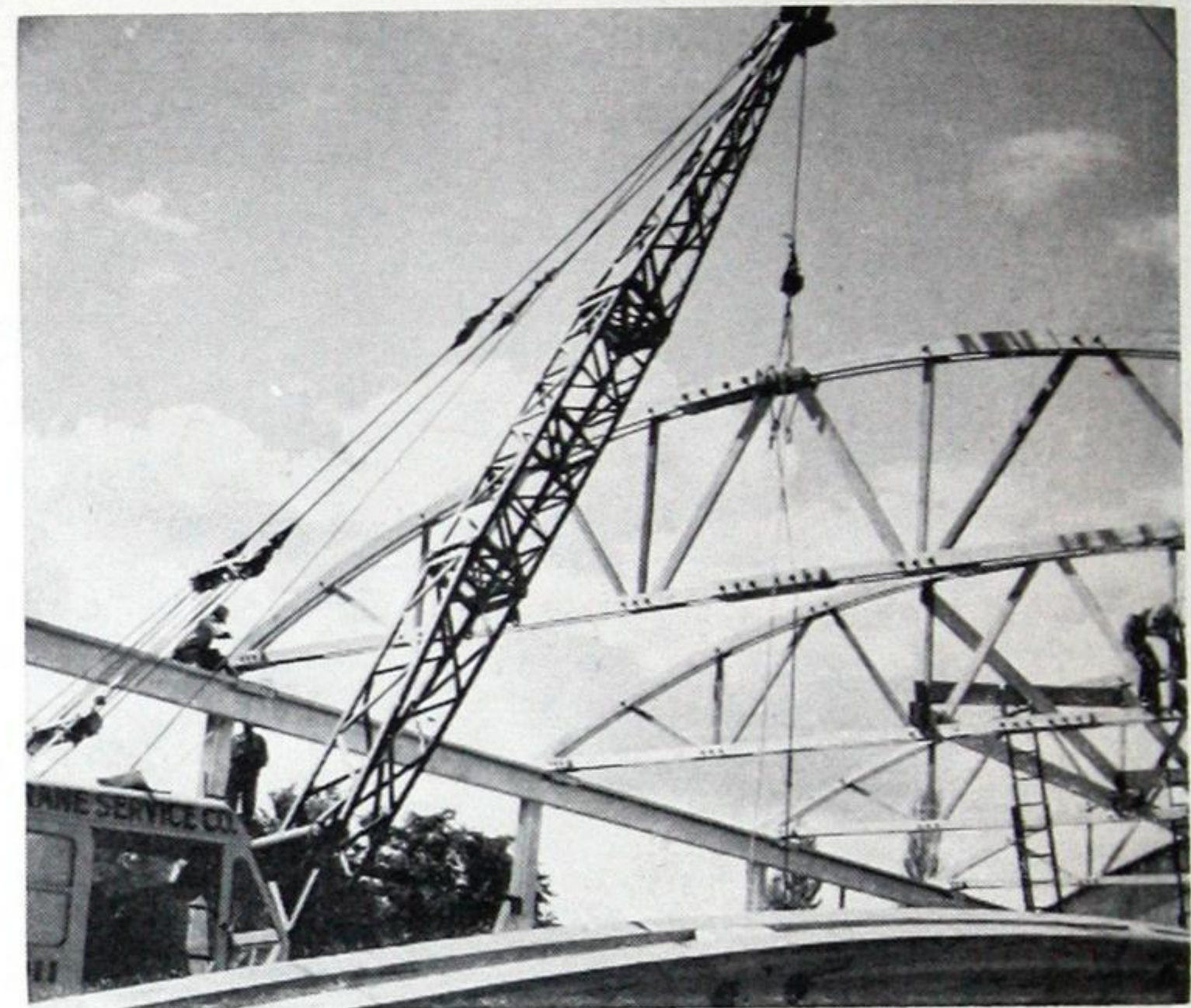


FACTORIES

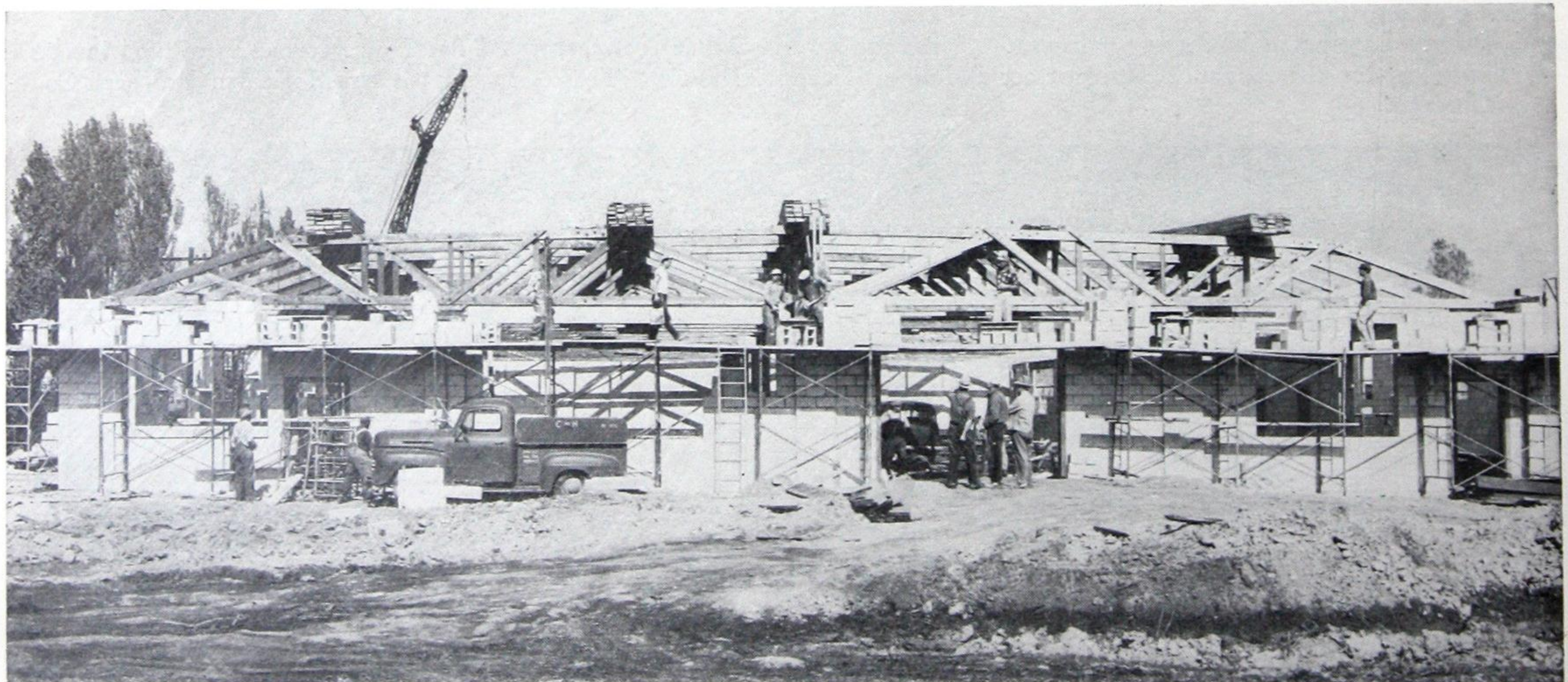


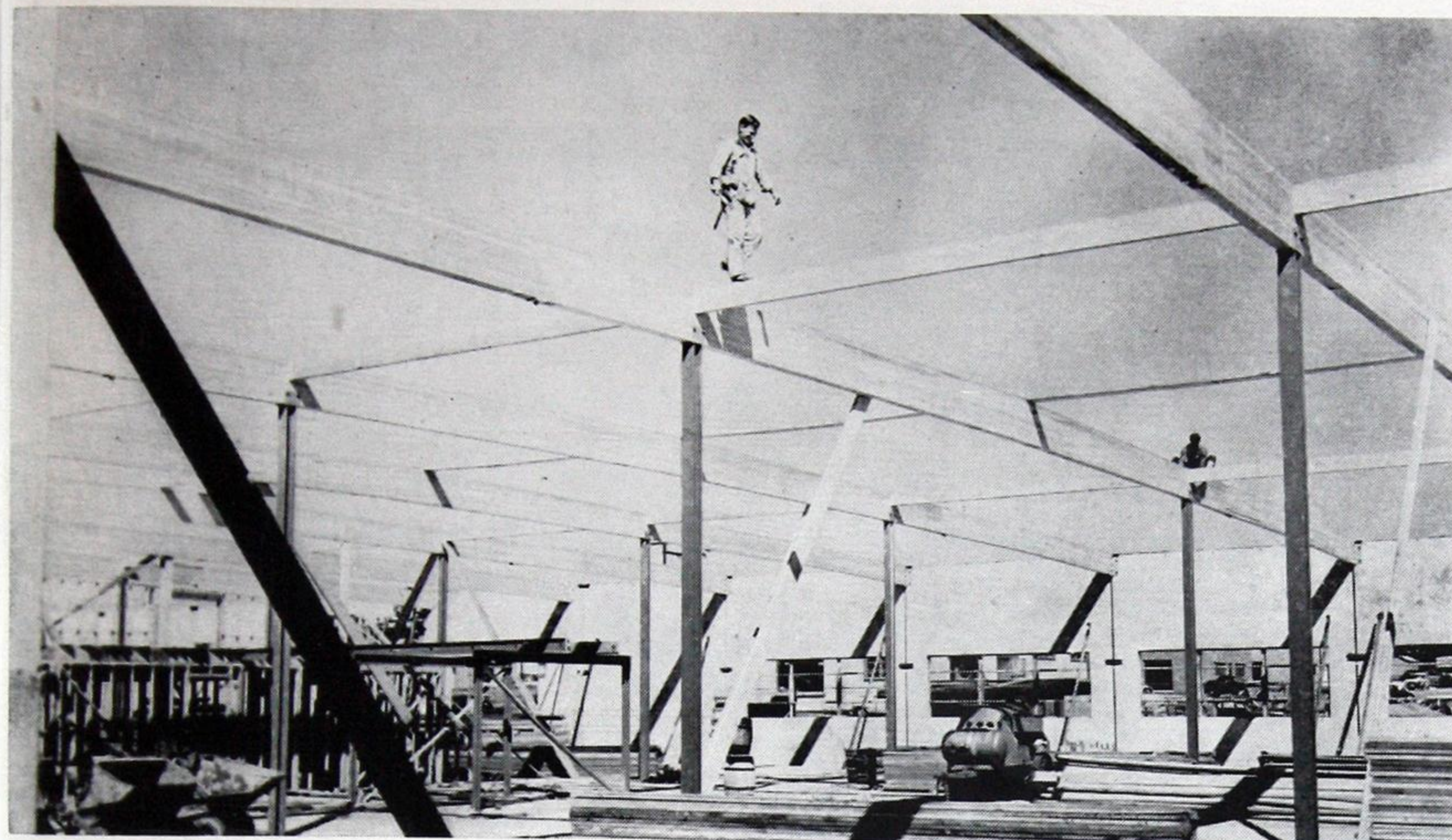
Above: Factory building for the Anaconda Wire and Cable Company, Sycamore, Illinois. Bowstring trusses, 72' clearspan, fabricated by Rilco Laminated Products, St. Paul, Minnesota.

Below: Mold Loft for Kaiser, Inc., Vancouver, Washington. Seven Arch-TECO trusses, 129' span, fabricated by Timber Structures, Inc., Portland, Oregon.



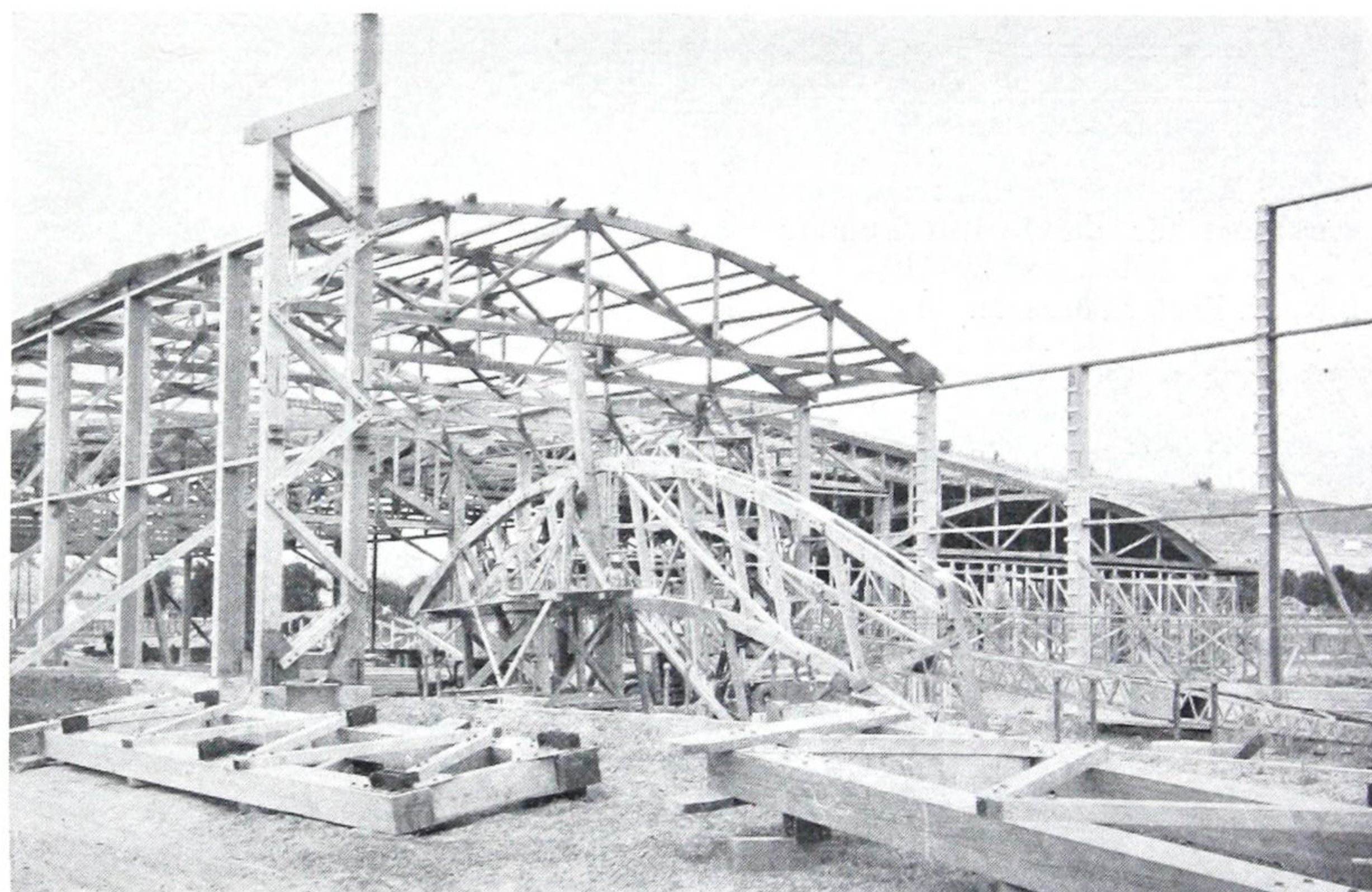
Below: Factory for Fabmo Corporation, Buffalo, N. Y. Modified Lank-TECO trusses fabricated by Cartwright & Morrison, Holcomb, N. Y.



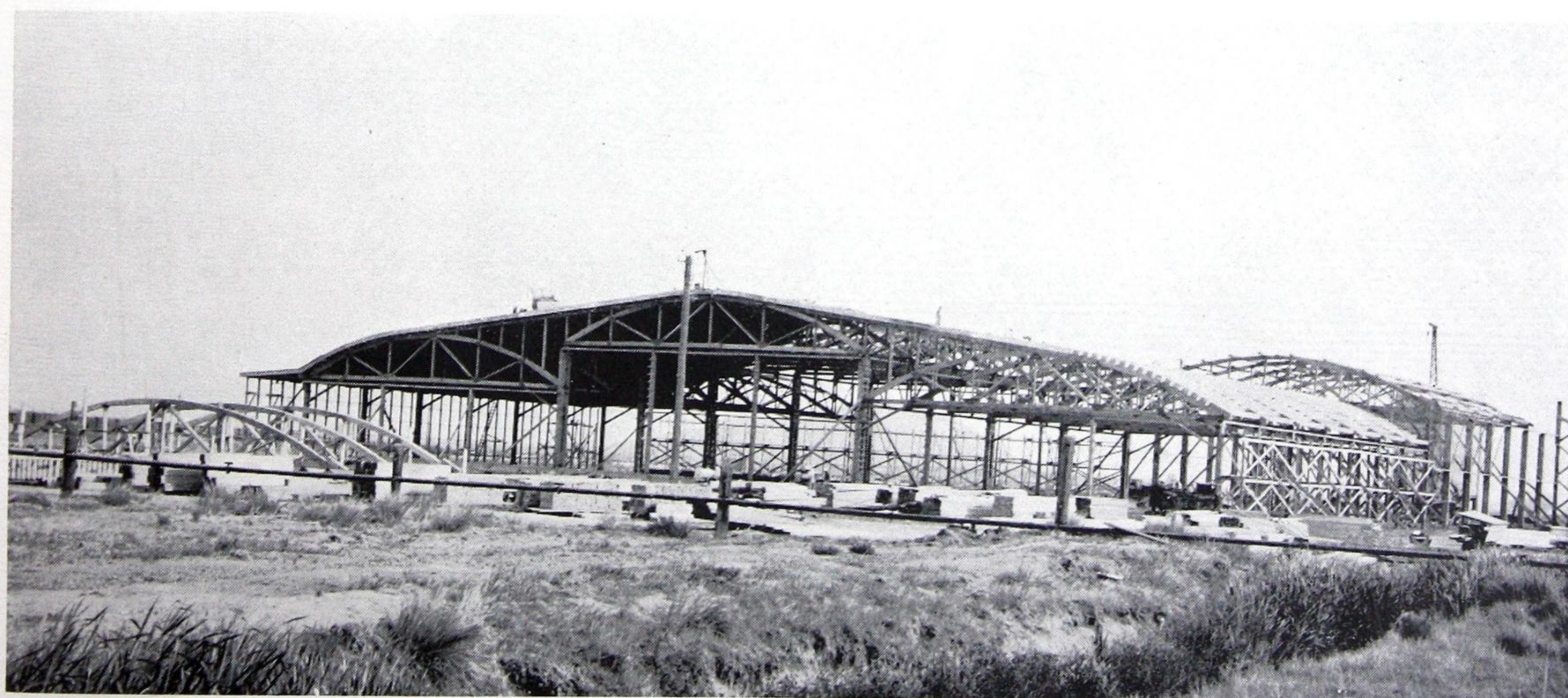


Glued laminated beams with spans of from 40' to 50' were used in this building for Union Die Casting, Ltd., Whittier, California. Fabrication by Summerbell Roof Structures, Los Angeles.

Left: Factory for Continental Machine Co., Savage, Minnesota. Bowstring trusses, 54' span, fabricated by Rilco Laminated Products, Inc., St. Paul, Minnesota.

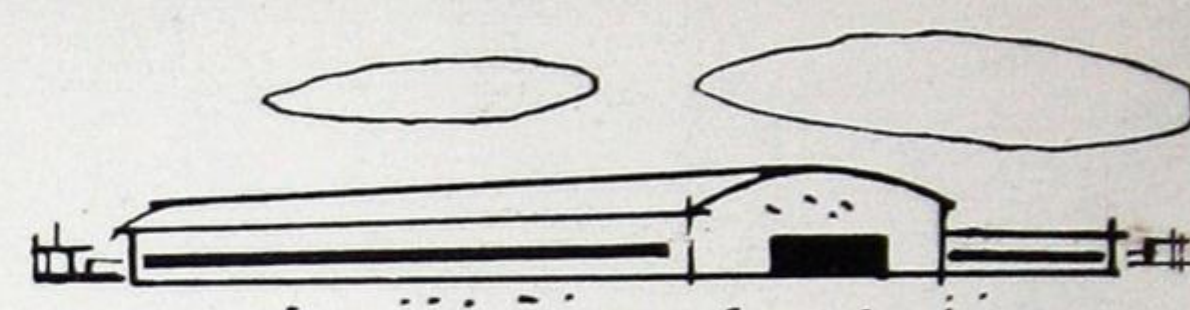


Below and Right: TECO connector bowstring trusses were used in two buildings, 254' x 140' and 320' x 78' for hardboard plant at Klamath Falls, Oregon. Fabrication by Weyerhaeuser Sales Co., Longview, Washington.



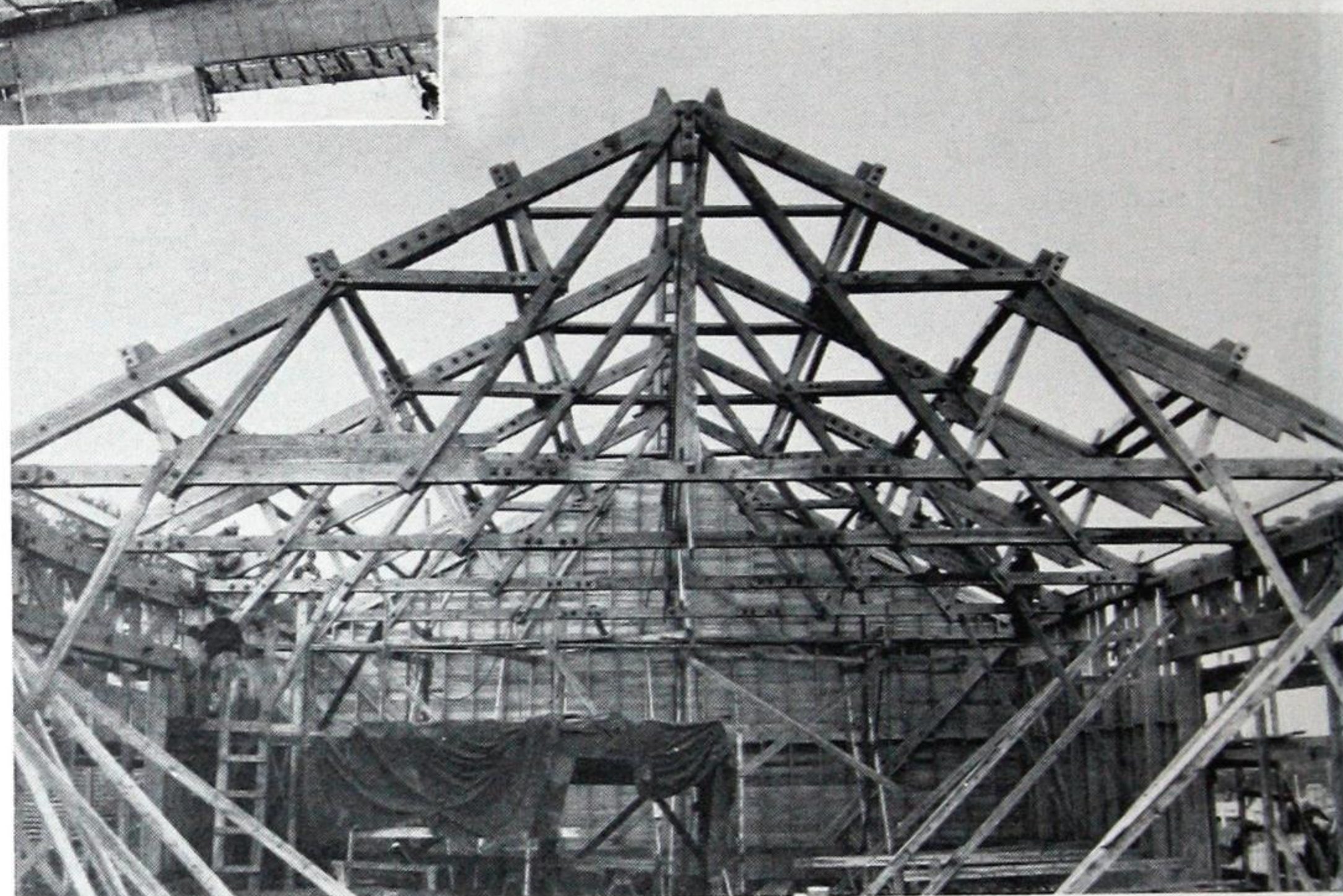
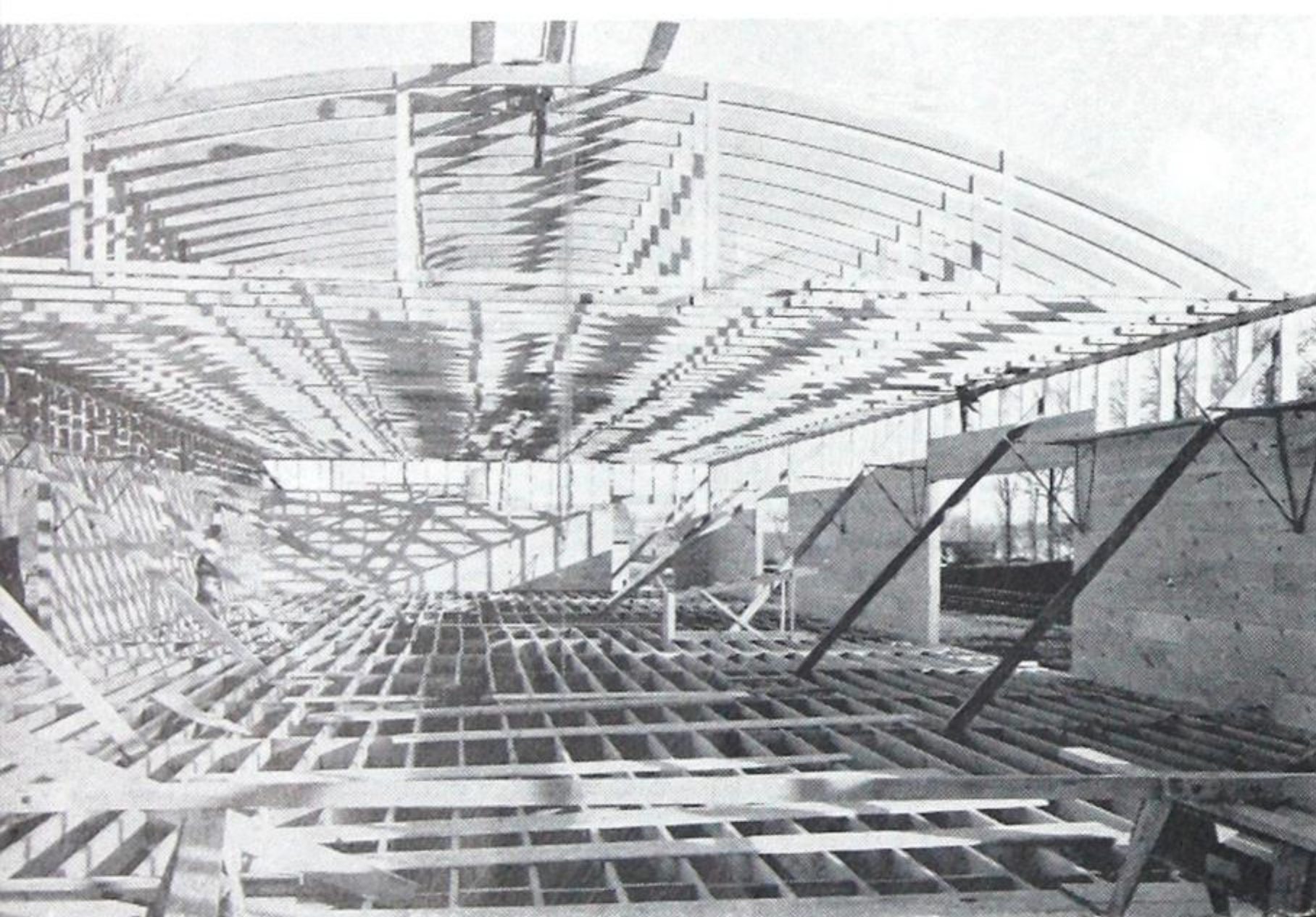


WAREHOUSES



Left: Merchants Ice and Cold Storage Building, San Francisco, California. Flat Pratt trusses, 70' span, were fabricated on the site by the contractor, Cahill Brothers, San Francisco.

Below: Rilco type 70 tied arches span this 42' x 116' warehouse for the Lyman Lumber Co., Wayzata, Minnesota. Fabricated by Rilco Laminated Products, Inc., St. Paul, Minnesota.



Above: Warehouse at Radford Ordnance Depot, Radford, Virginia, using 50' span Belgian trusses. Contractor: J. A. Jones Construction Co.

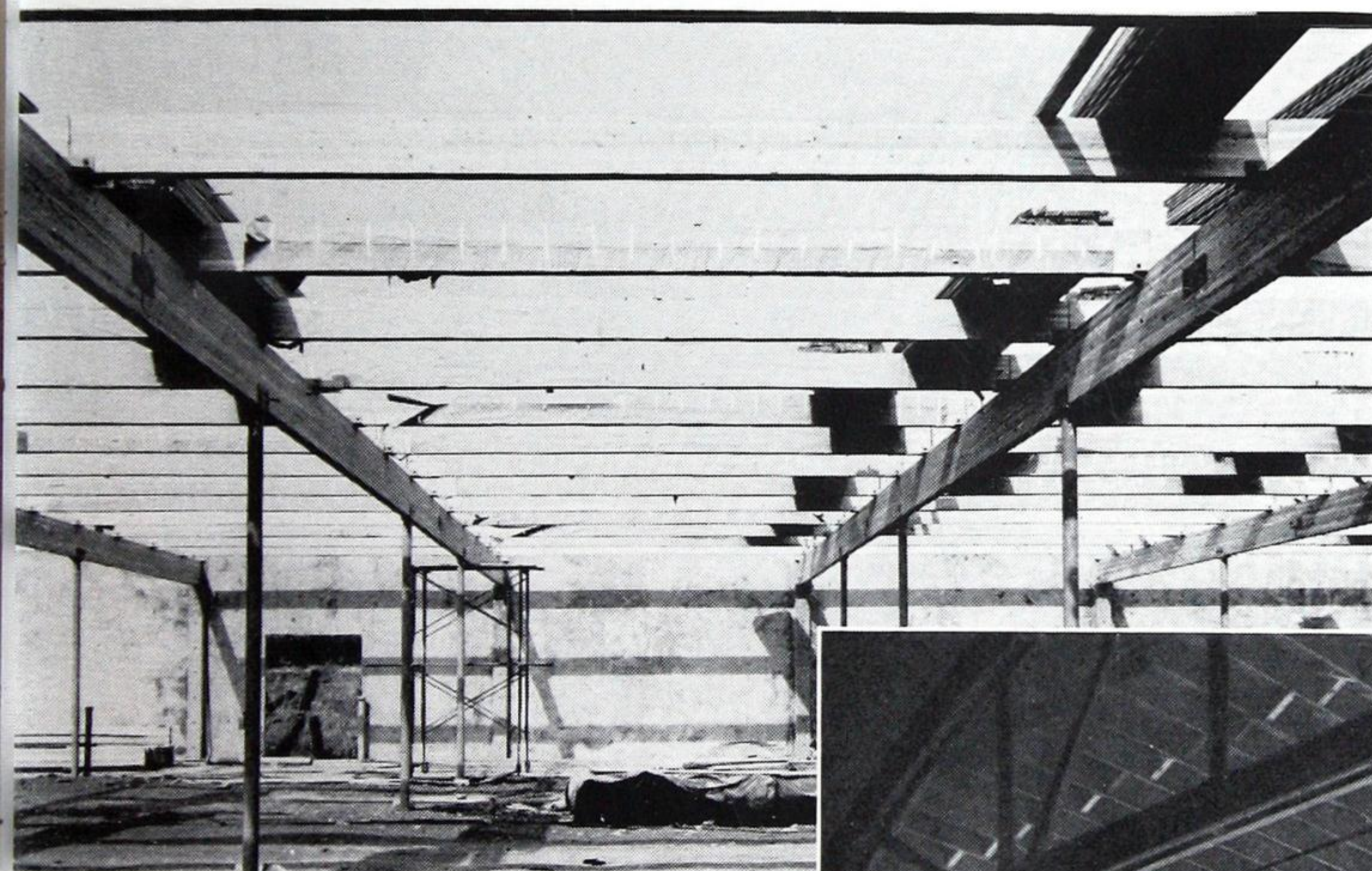
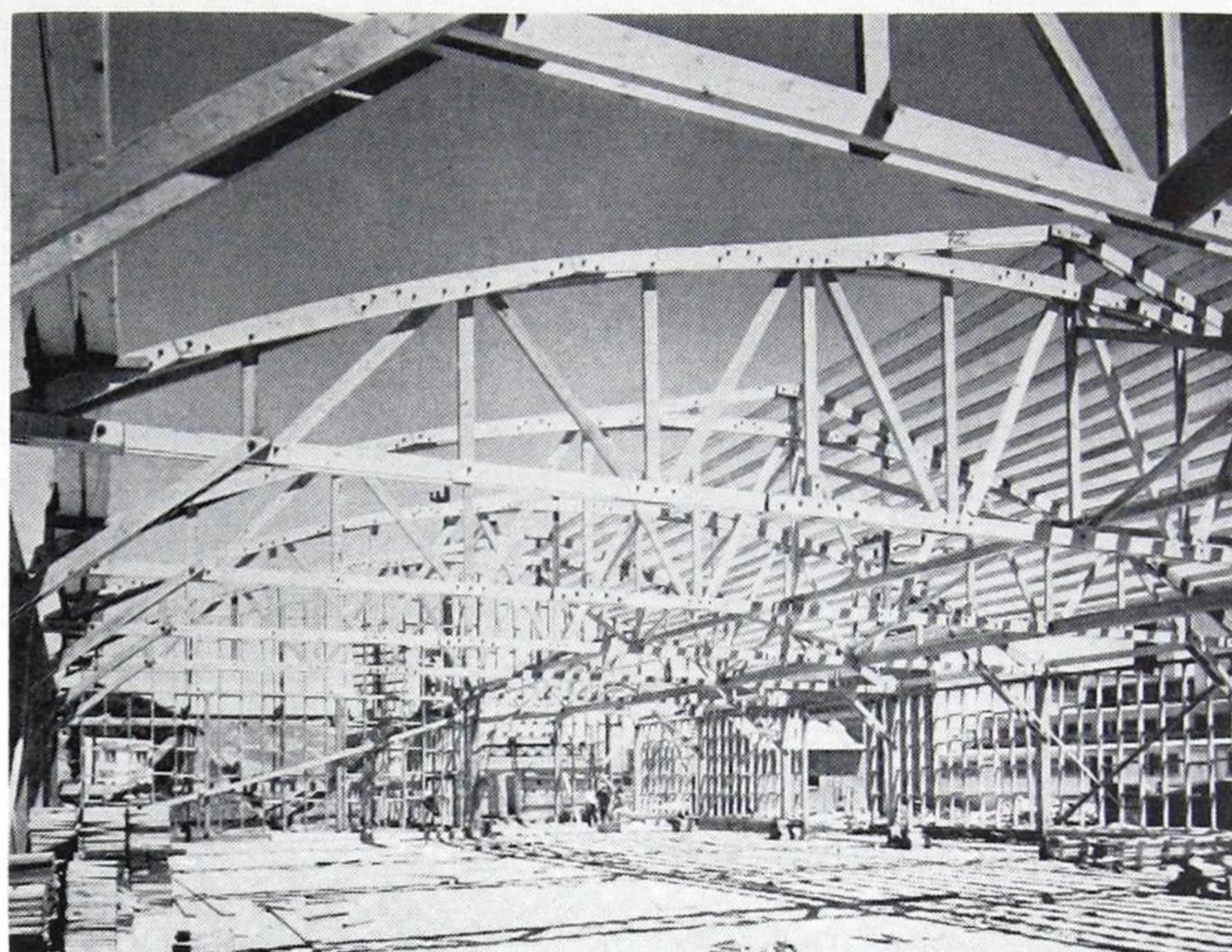
Below: Tim-flat trusses and glu-lam beams spaced 20' on centers were fabricated by Timber Structures, Inc., Portland, Oregon, for this warehouse for Pittsburgh Plate Glass Co., Des Moines, Iowa.





Above: Freight House for Acme Fast Freight, Oklahoma City, Oklahoma; TECO connector trusses 50' span spaced 16' on centers. Fabrication by Roof Structures, Inc., Webster Groves, Missouri.

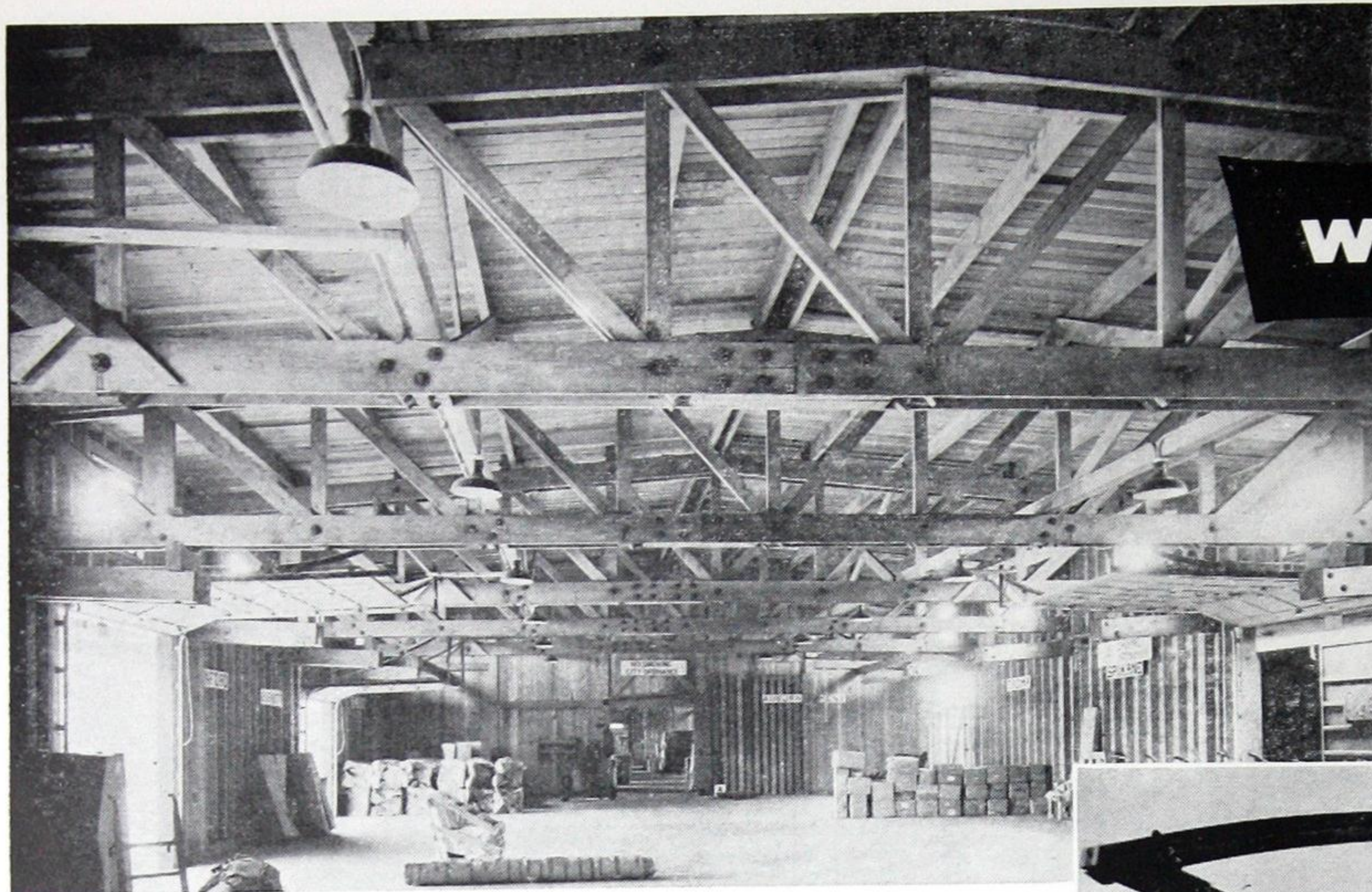
Below: Warehouse for Parr-Richmond Terminal Co., Richmond, Calif. Five 80' span Arch-TECO bowstring trusses spaced 20' on centers fabricated by Timber Structures, Inc., Portland, Oregon.



Left: Glued-laminated timber beams and purlins fabricated by American Fabricators, Bellingham, Washington, were used in this warehouse for General Electric Company, Spokane, Washington.

Right: General Services Administration Warehouse at Franconia, Virginia. Arch-TECO timber trusses cover 32 acres of space with only 17 interior posts in an acre of space. Fabrication by Timber Structures, Inc., Portland, Oregon.



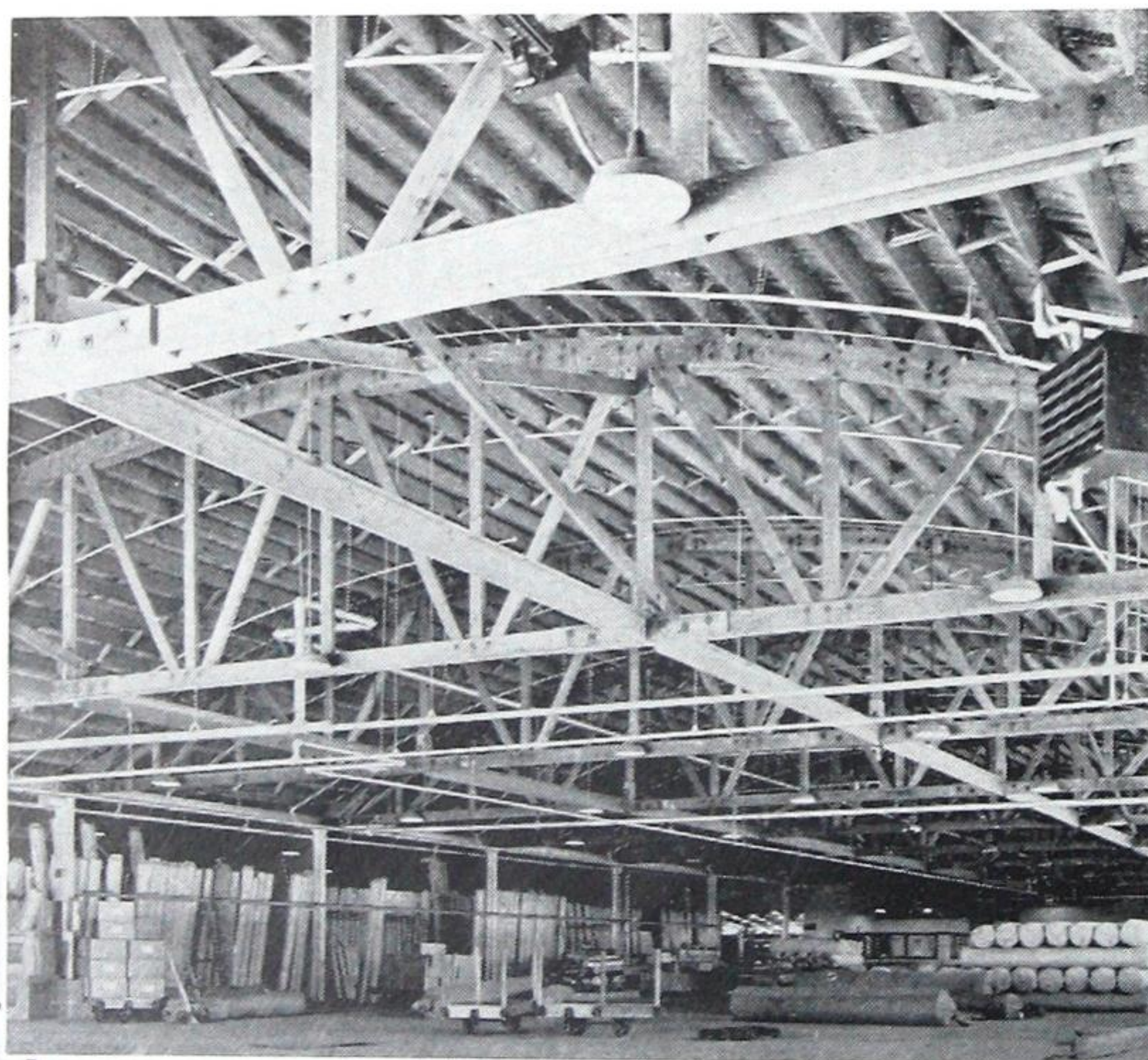
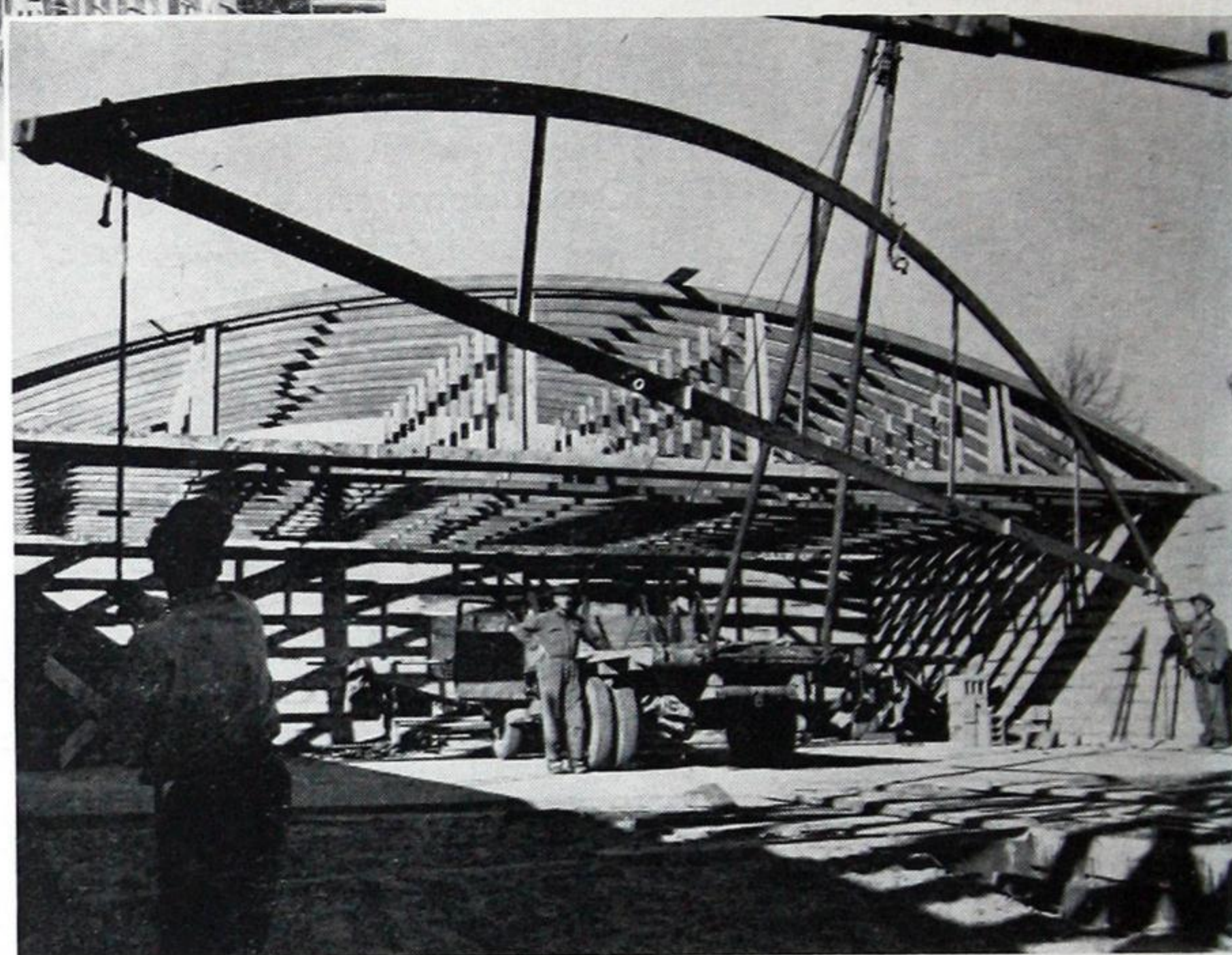


WAREHOUSES

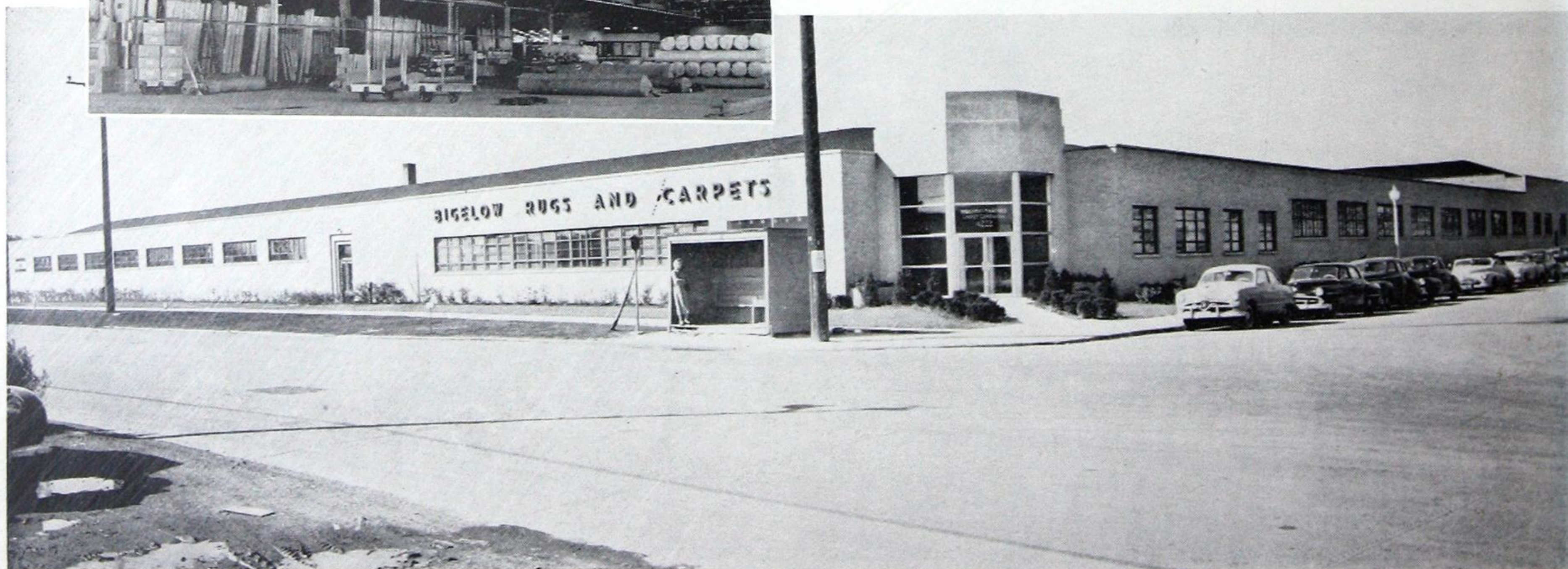


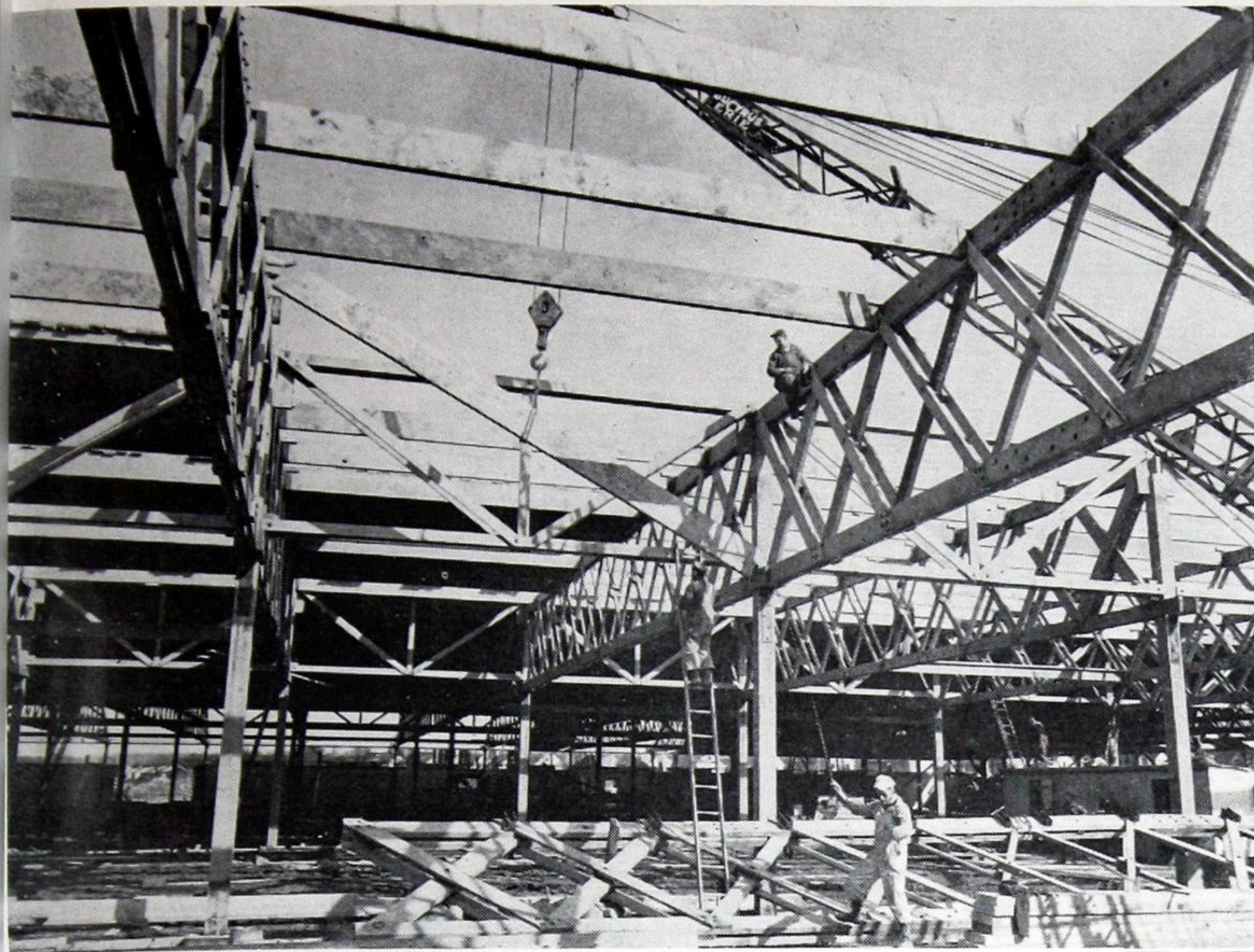
Above: Freight Station for Chicago, Milwaukee, St. Paul and Pacific Railroad, Seattle, Washington. Flat Pratt trusses fabricated by Timber Structures, Inc., Portland.

Right: Rilco tied arches were used in this 50' x 80' warehouse built at Manhattan, Kansas, for Frank Garrels, owner.



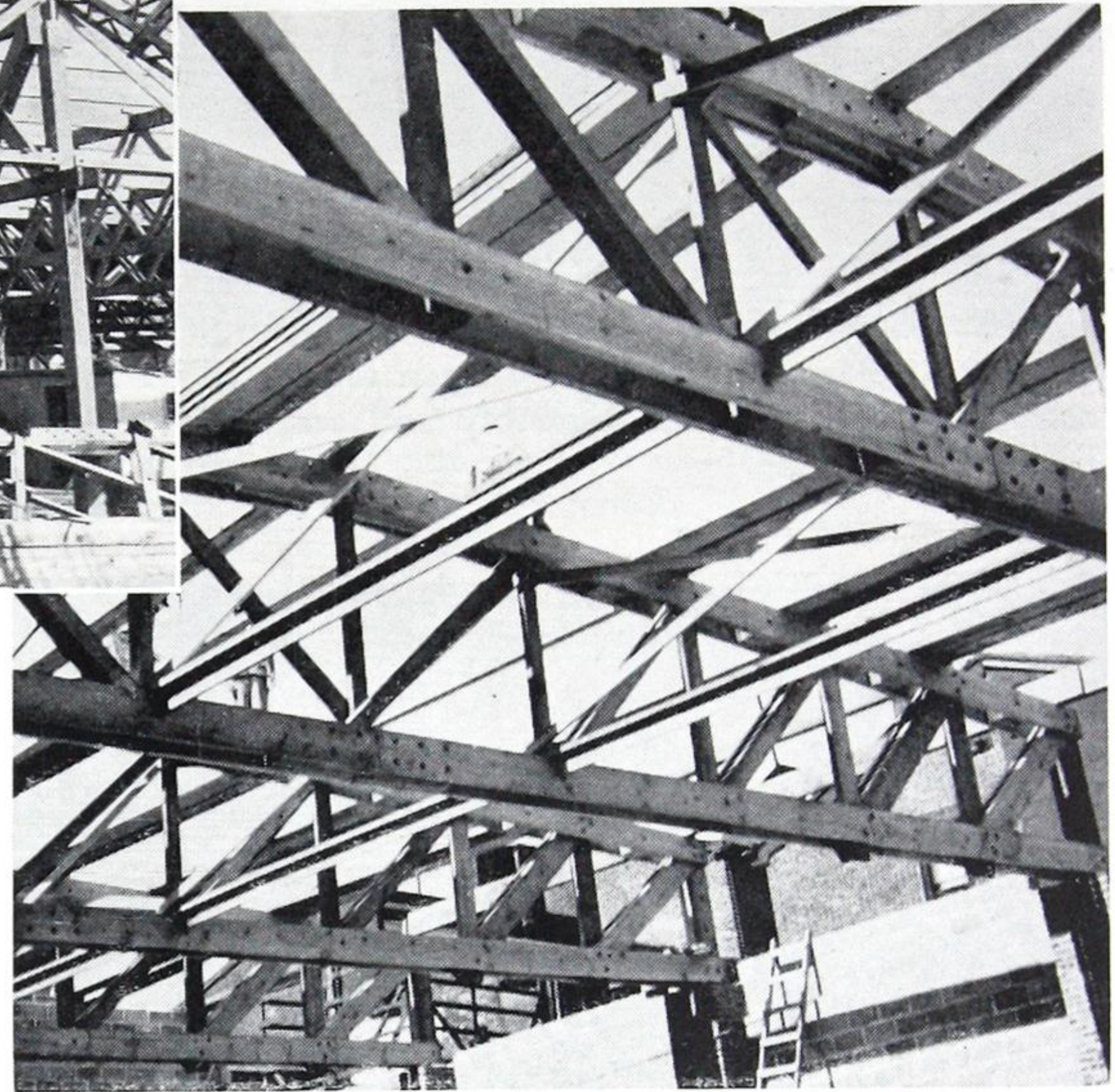
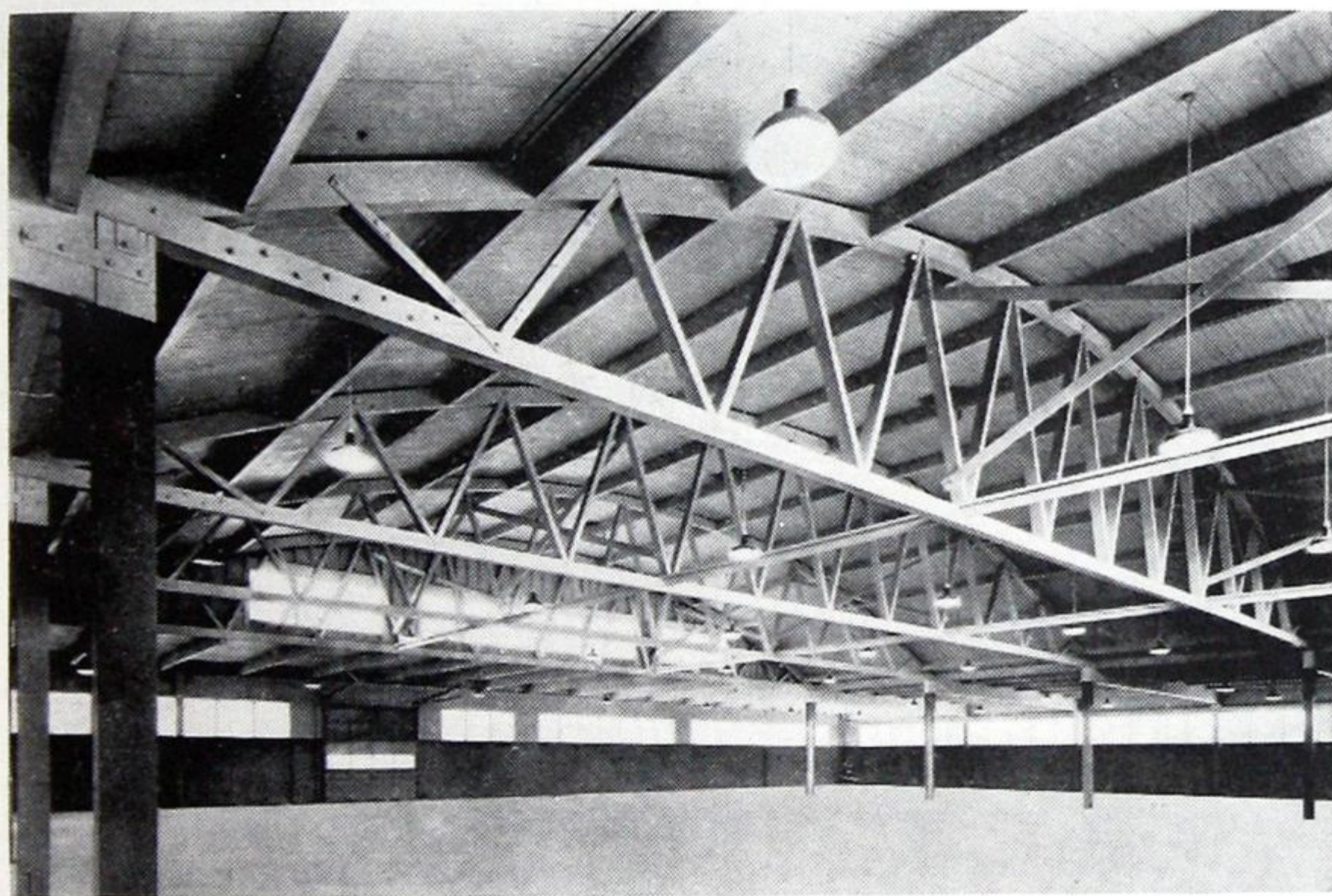
Left & below: Warehouse for Bigelow-Sanford Carpet Co., Chicago, Illinois. Arch-TECO bowstring trusses 72' span fabricated by Timber Structures, Inc., Portland, Oregon.





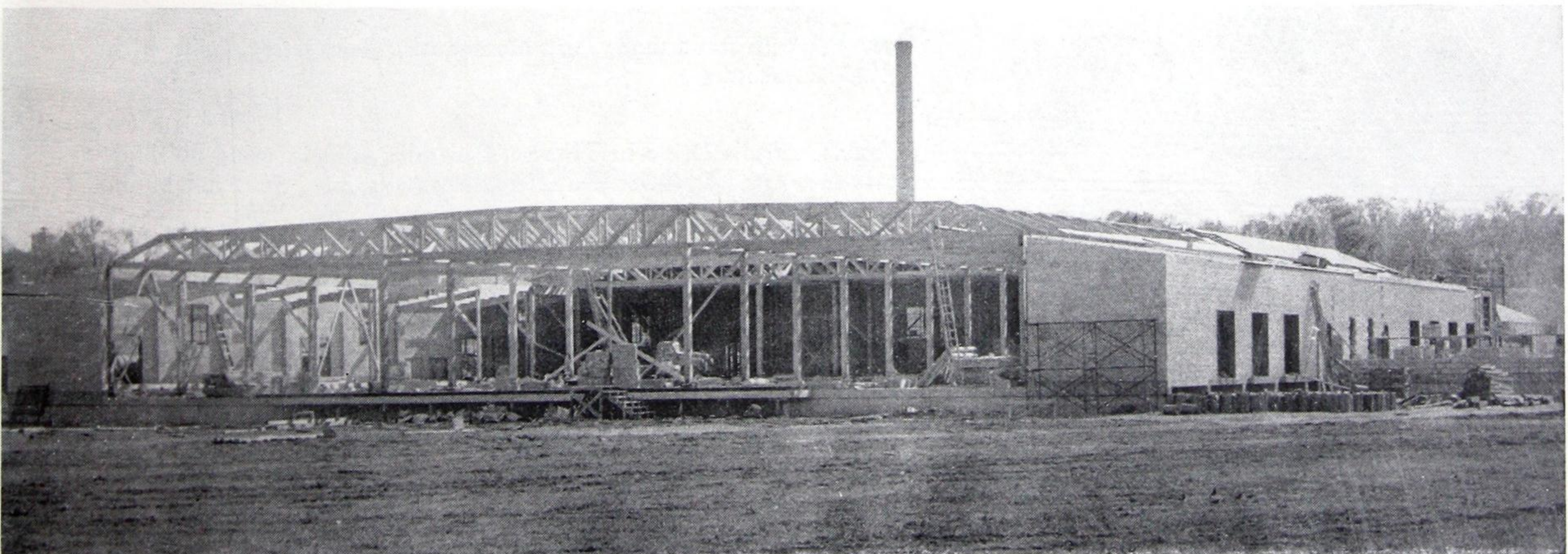
Left: Used in this 360' x 365' warehouse for the Triumph Realty Co., Fairlawn, N. J. were 90' timber trusses fabricated by Cartwright & Morrison, Holcomb, New York.

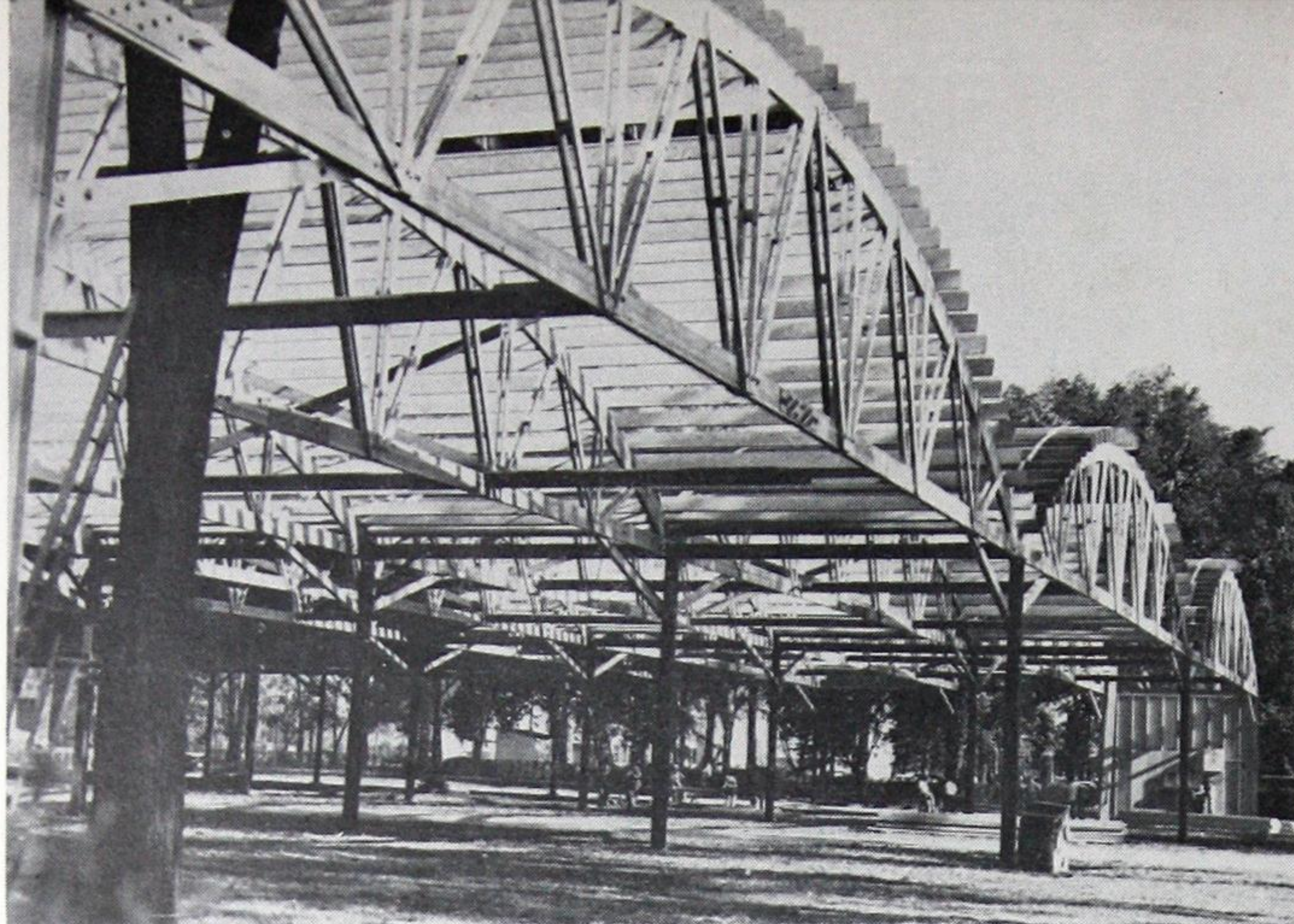
Below: Warehouse for the Henry M. Mason Co., Portland, Oregon. Bowstring trusses 96' span, fabricated by Timber Structures, Inc., Portland, Oregon.



Above: Warehouse for the Hancock Paper Co., Philadelphia, Pa. Five 60' flat Pratt trusses fabricated by Clear Span, Inc., Philadelphia.

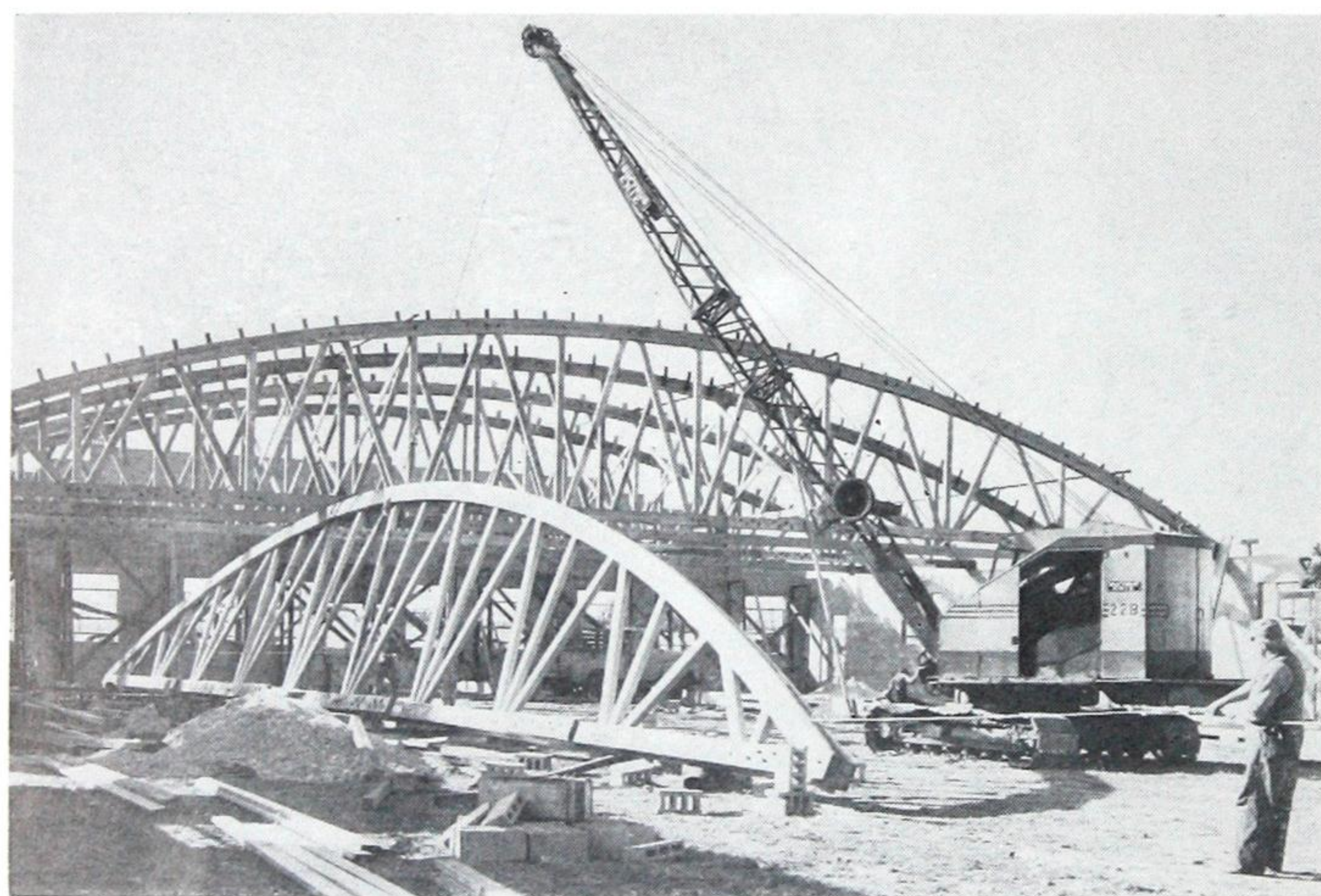
Below: Cold storage warehouse for the Brockport Cold Storage Co., Mt. Morris, New York. Three span flat Pratt trusses fabricated by Cartwright & Morrison, Holcomb, New York.



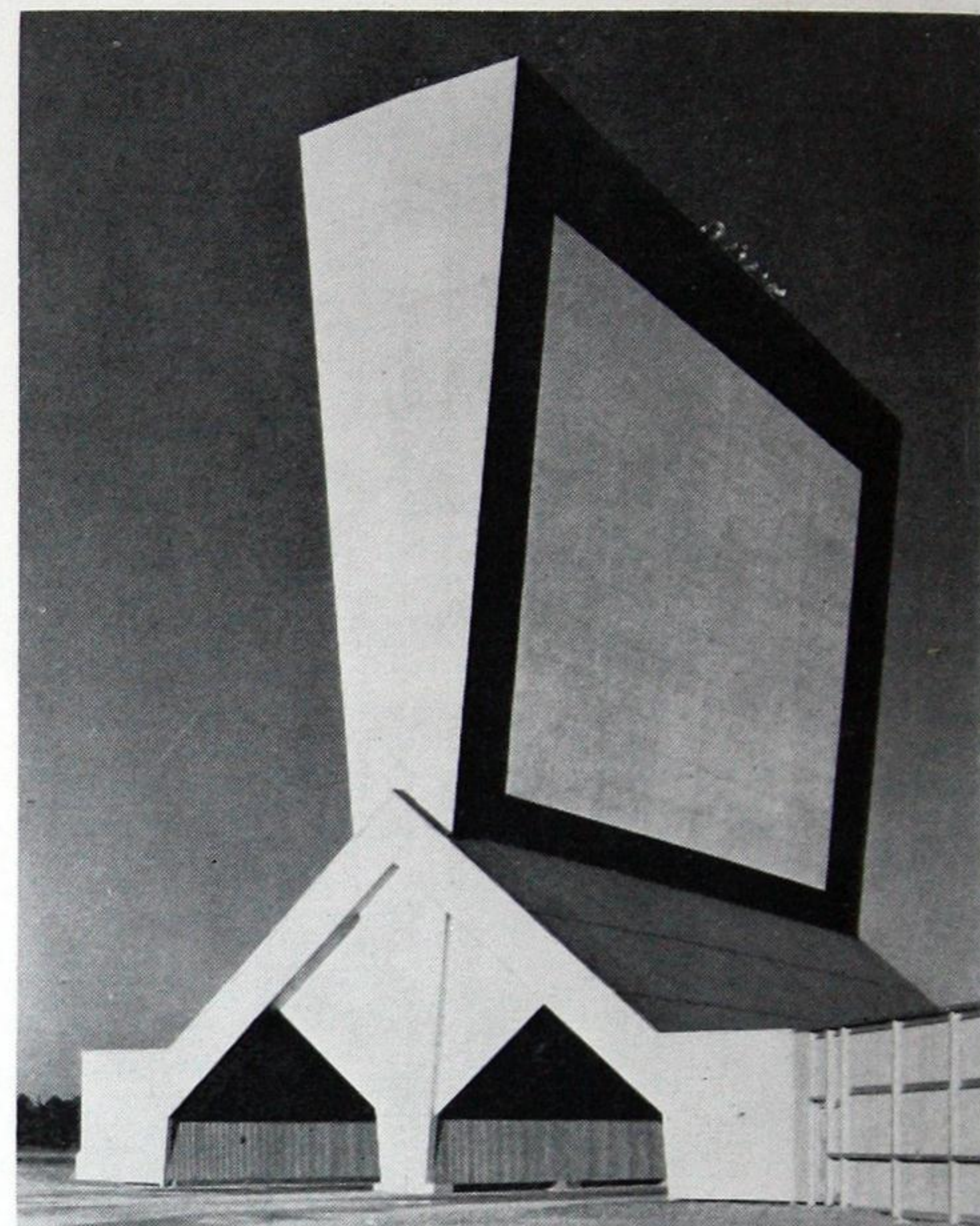


Billy Graham Tabernacle built at the Michigan State Fair Grounds, Detroit, Michigan. Bowstring trusses 80' span fabricated by Rilco Laminated Products, Albert Lea, Minn. Assembly and erection by Timber Services, Inc., Ferndale, Michigan.

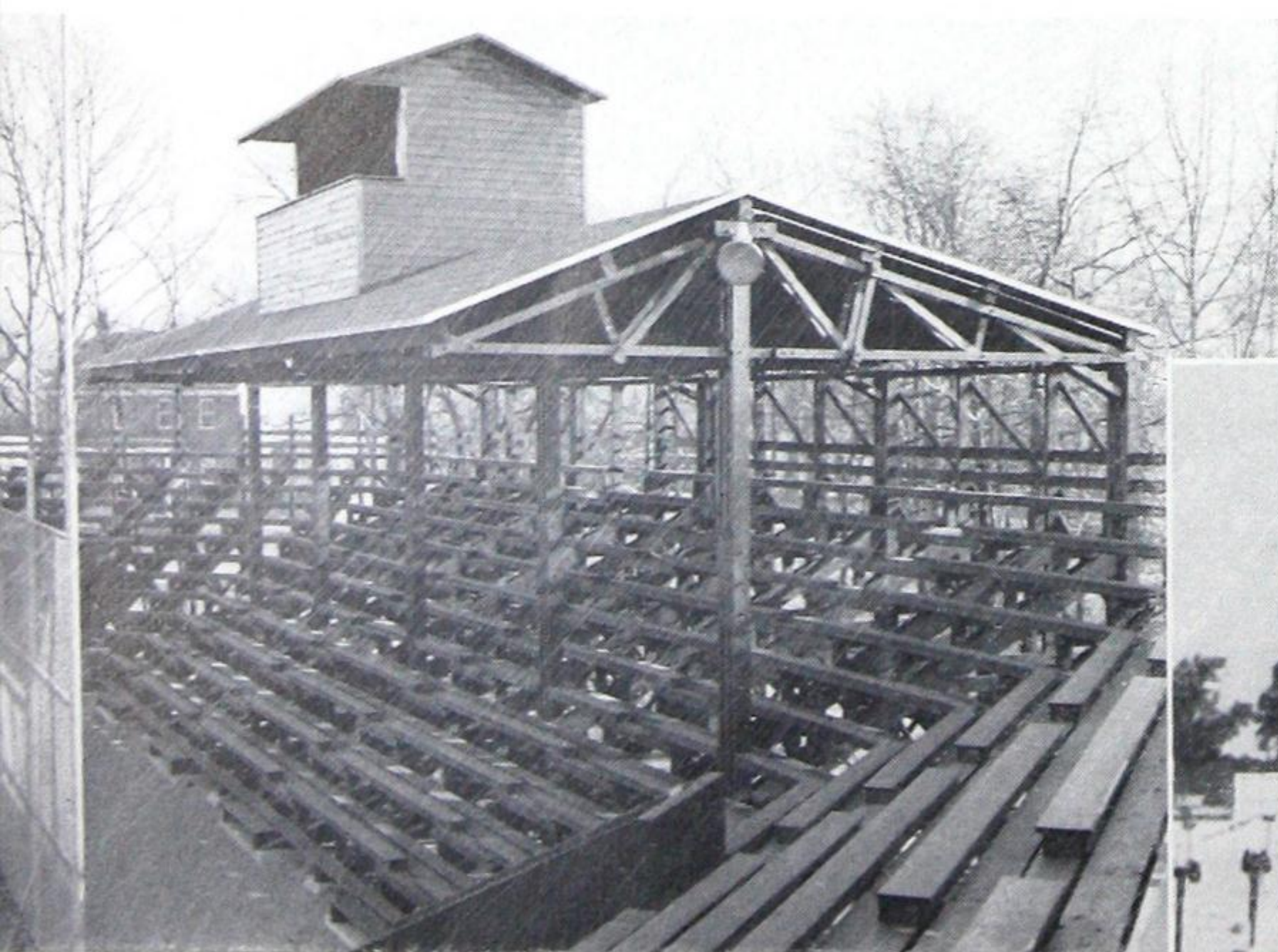
Below: Skating Rink, Bel Air, Maryland. Clear span 100' bowstring trusses, spaced 16' on centers, were fabricated by the builder: R. M. Scarborough, Delta, Pennsylvania.



RECREATIONAL

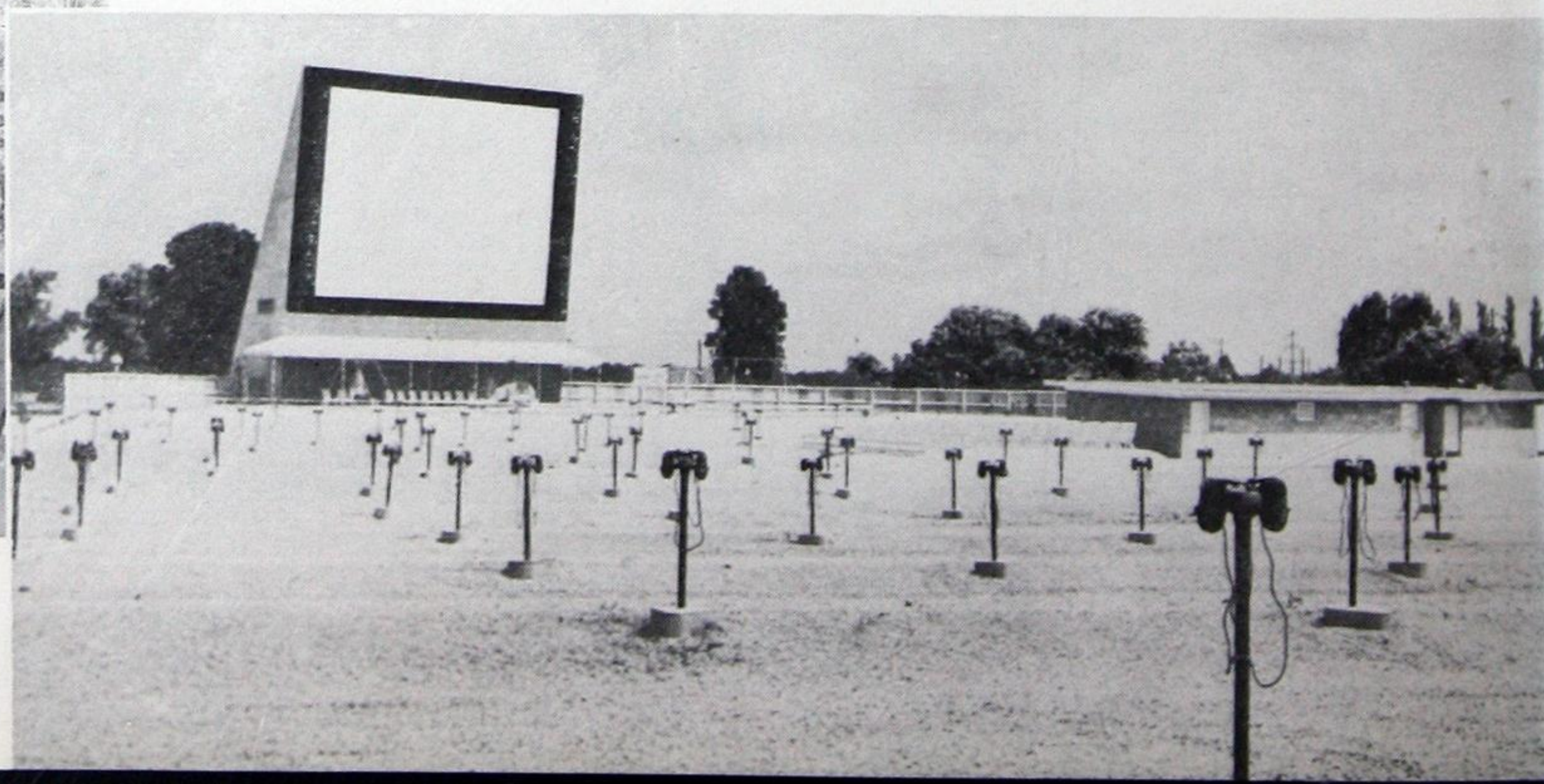


Above and Right: Outdoor theatre screen, Milwaukee, Wisconsin, fabricated by Unit Structures, Inc., Peshtigo, Wisconsin. Height: 83'9"; Width: 78'0".

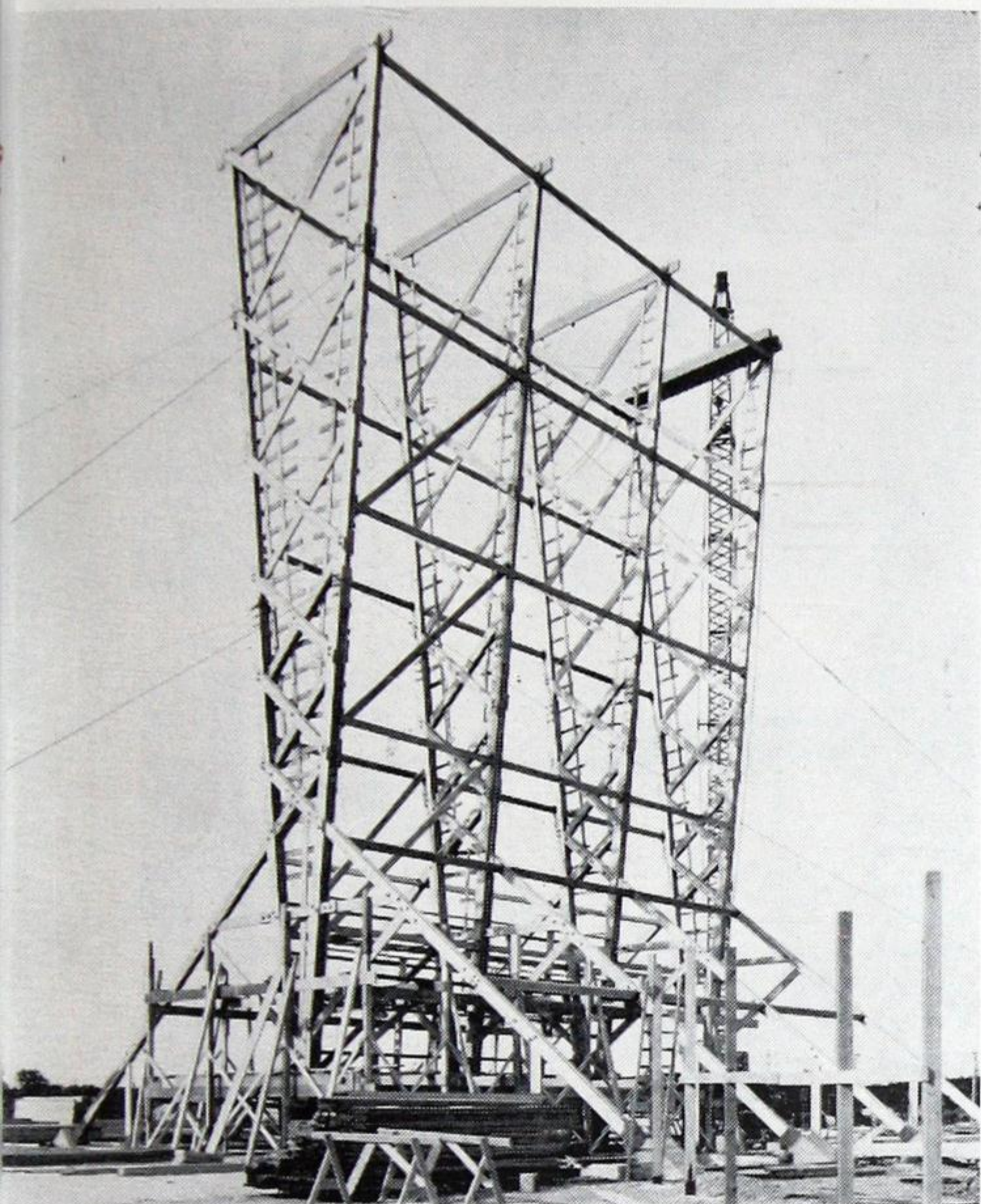


Left: Baseball grandstand, Fort Monmouth, New Jersey, built with TECO connectors.

Below: Centralia Drive-In Theatre, Centralia, Illinois, using 60' high masts fabricated by Rilco Laminated Products, Inc., St. Paul, Minn.



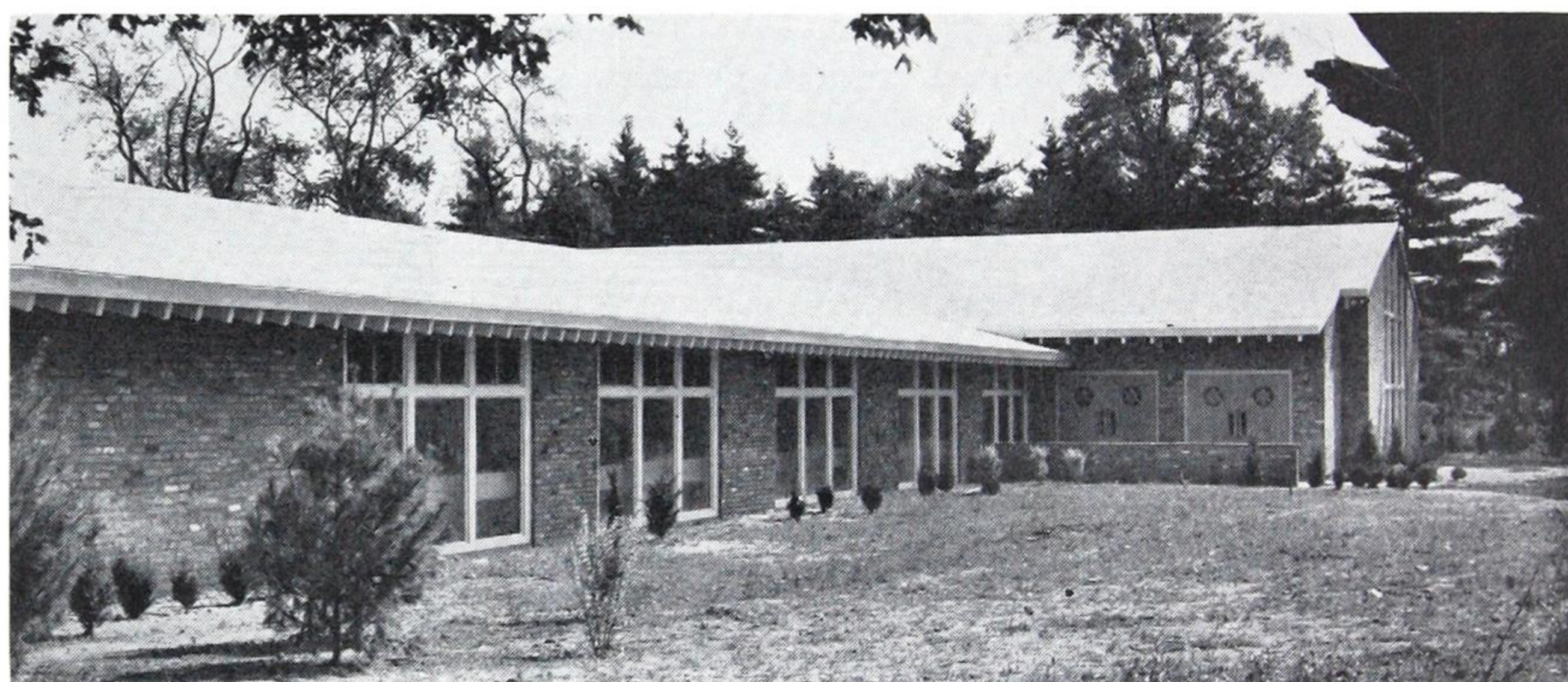
BUILDINGS



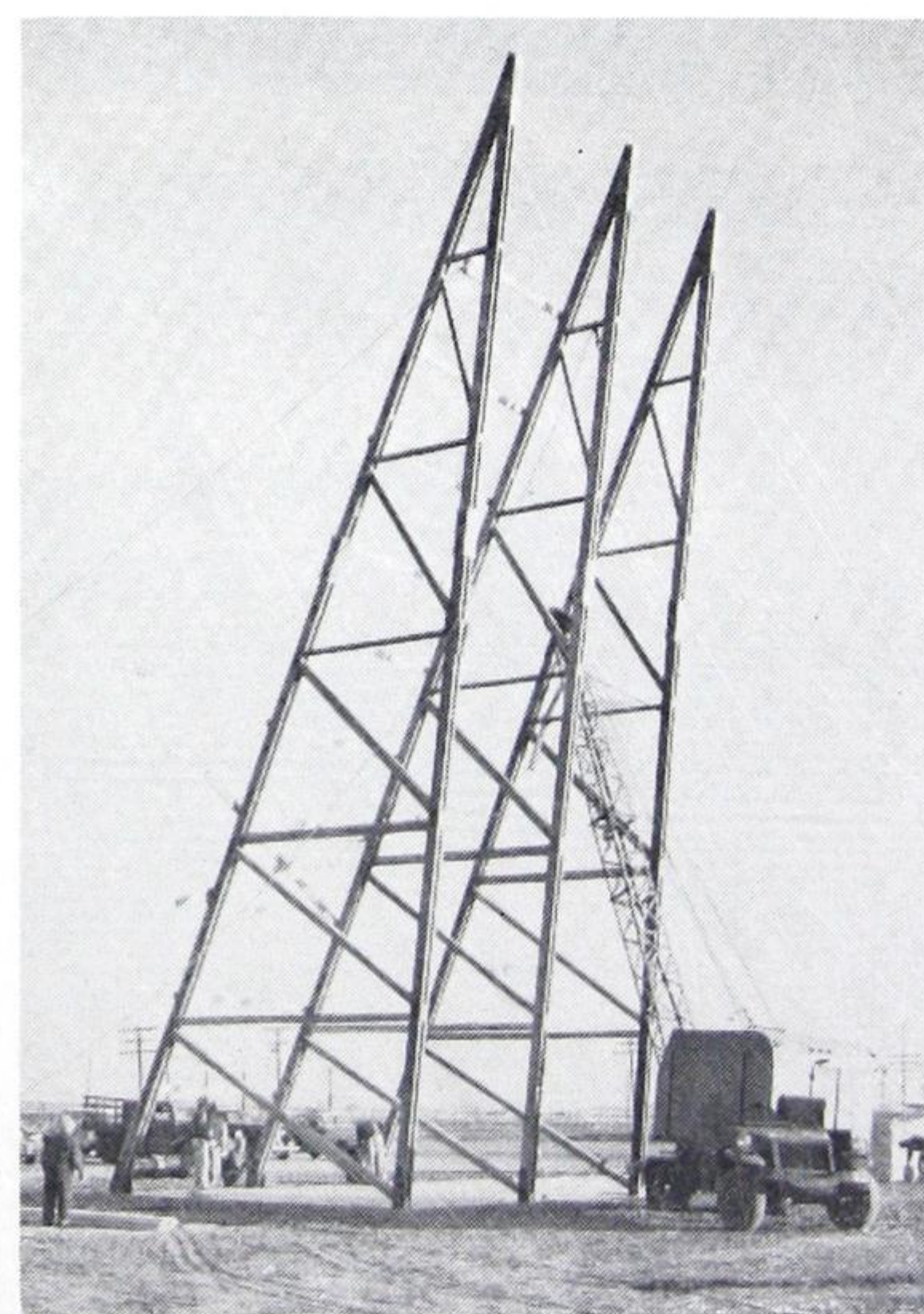
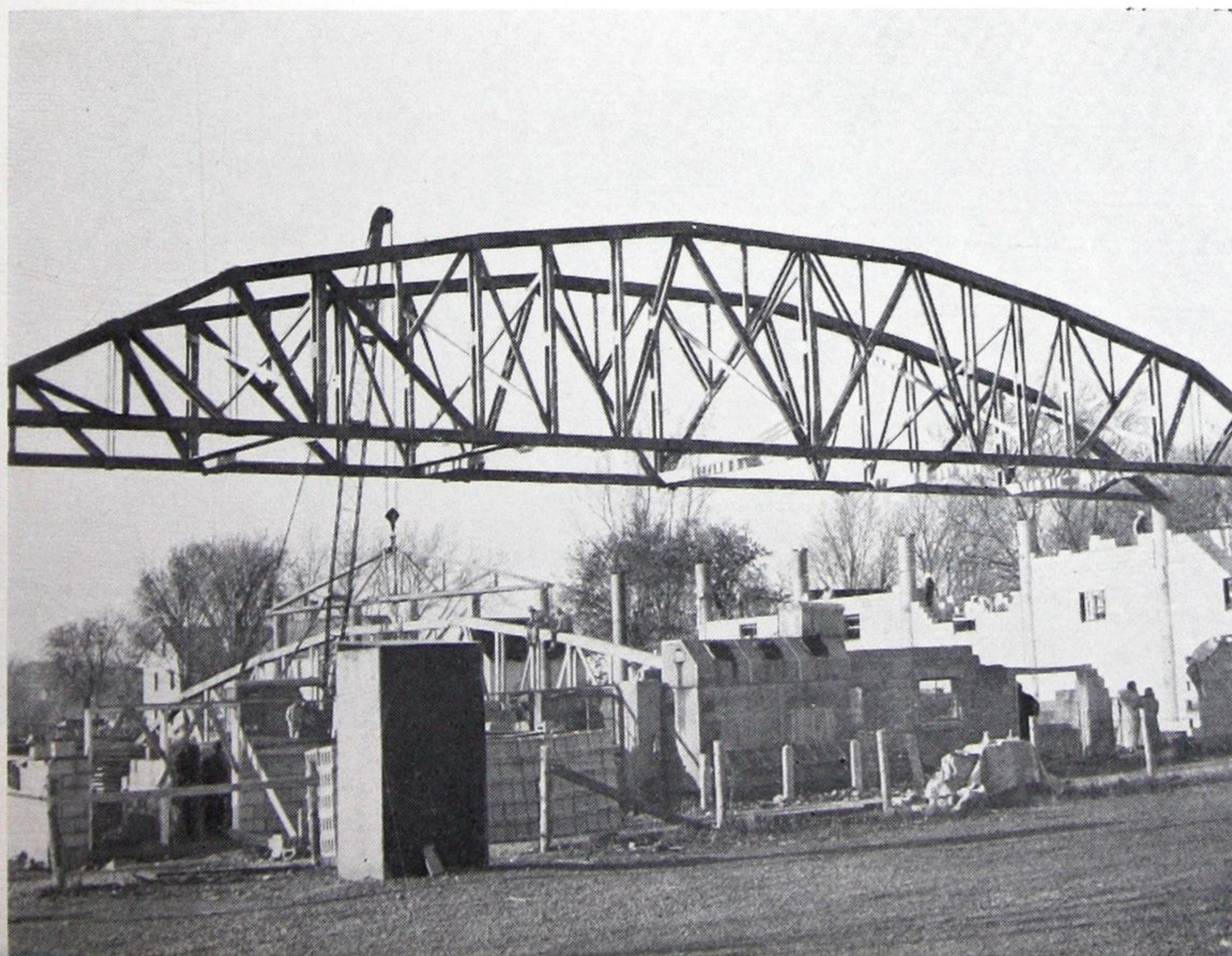
Right: Roslyn Jewish Community Center, Roslyn Heights, Long Island, New York, using TECO trussed rafters.



Bowling Alley, Rochester, N. Y. 98' span segmented bowstring trusses provided unobstructed clear span construction. Truss fabrication by Cartwright and Morrison, Holcomb, N. Y.



Right: Masts for drive-in theater screen, Kirksville, Missouri, fabricated by Rilco Laminated Products, St. Paul, Minnesota.

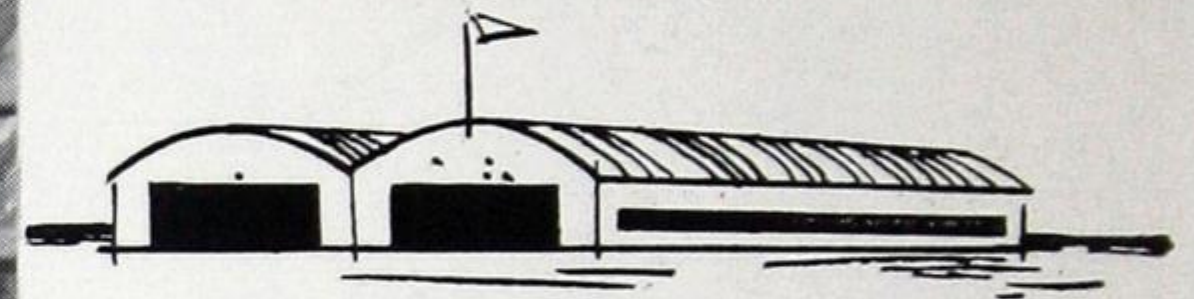


Left: Spanning this 137' x 240' hockey rink in Clinton, New York, are segmental bowstring trusses fabricated by Cartwright & Morrison, Holcomb, N. Y.



GARAGES AND

HANGARS

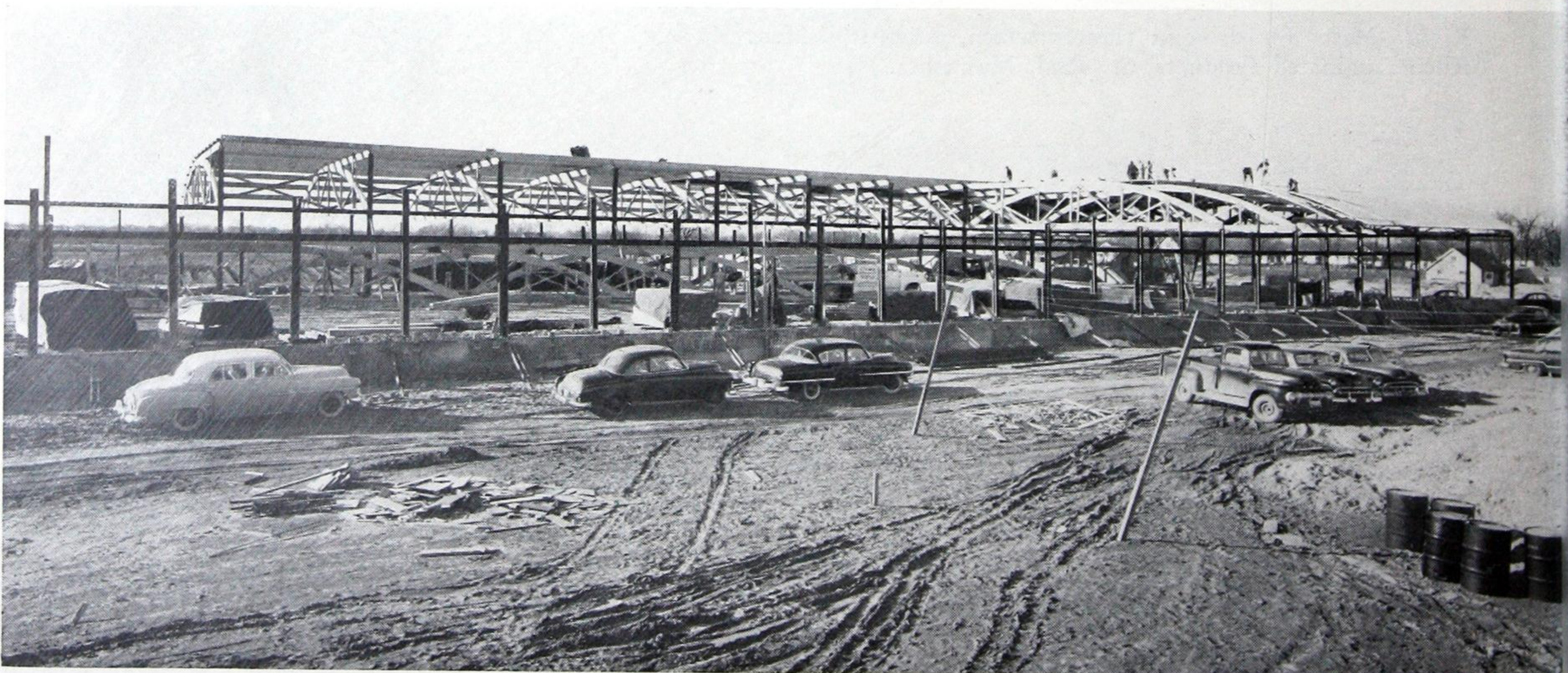


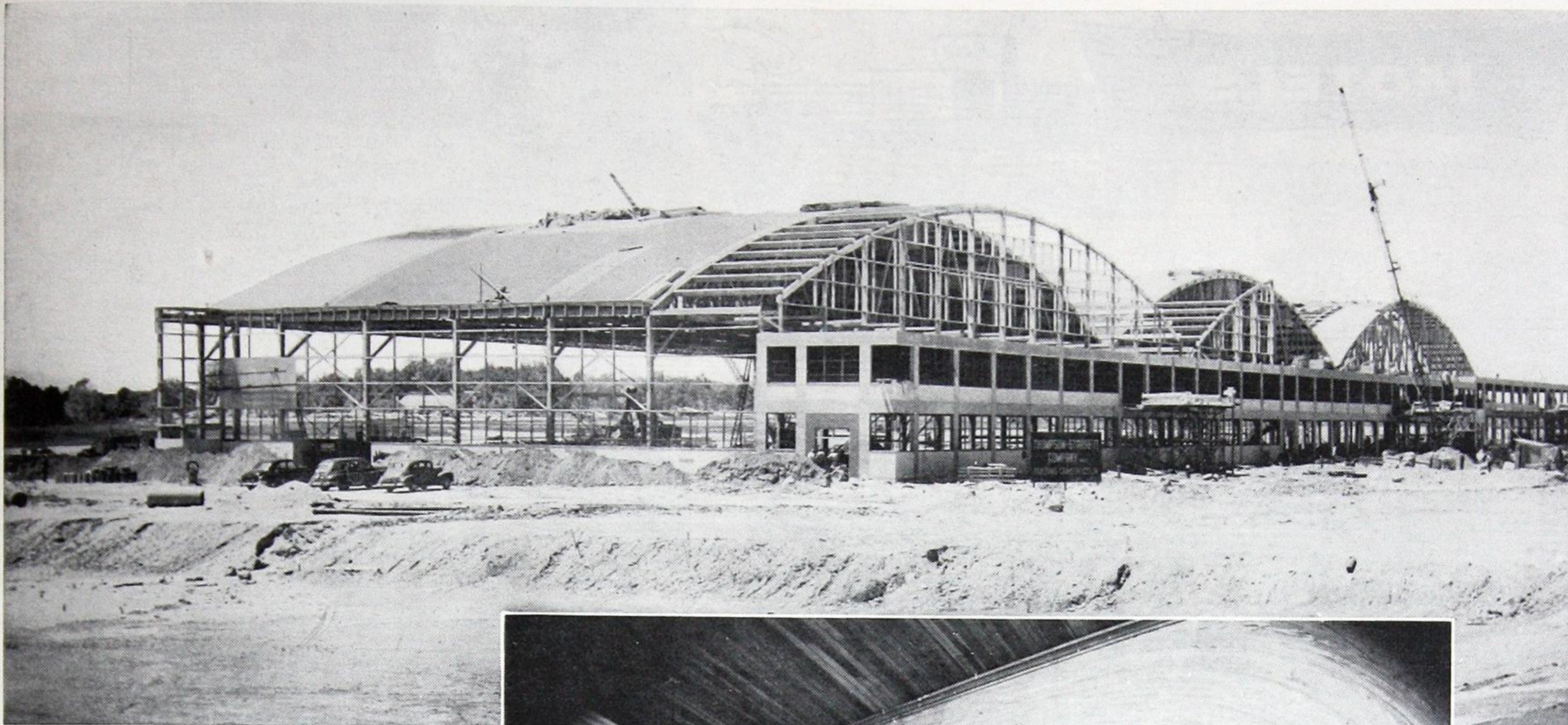
Above: Rochester Truck Garage, Rochester, New York. Modified bowstring trusses, 80' span, fabricated by Cartwright and Morrison, Holcomb, New York.

Right: Babcock Motors Garage, Spokane, Washington. Eight 90' Arch-TECO bowstring trusses. Fabricated by Timber Structures, Inc., Portland, Oregon.

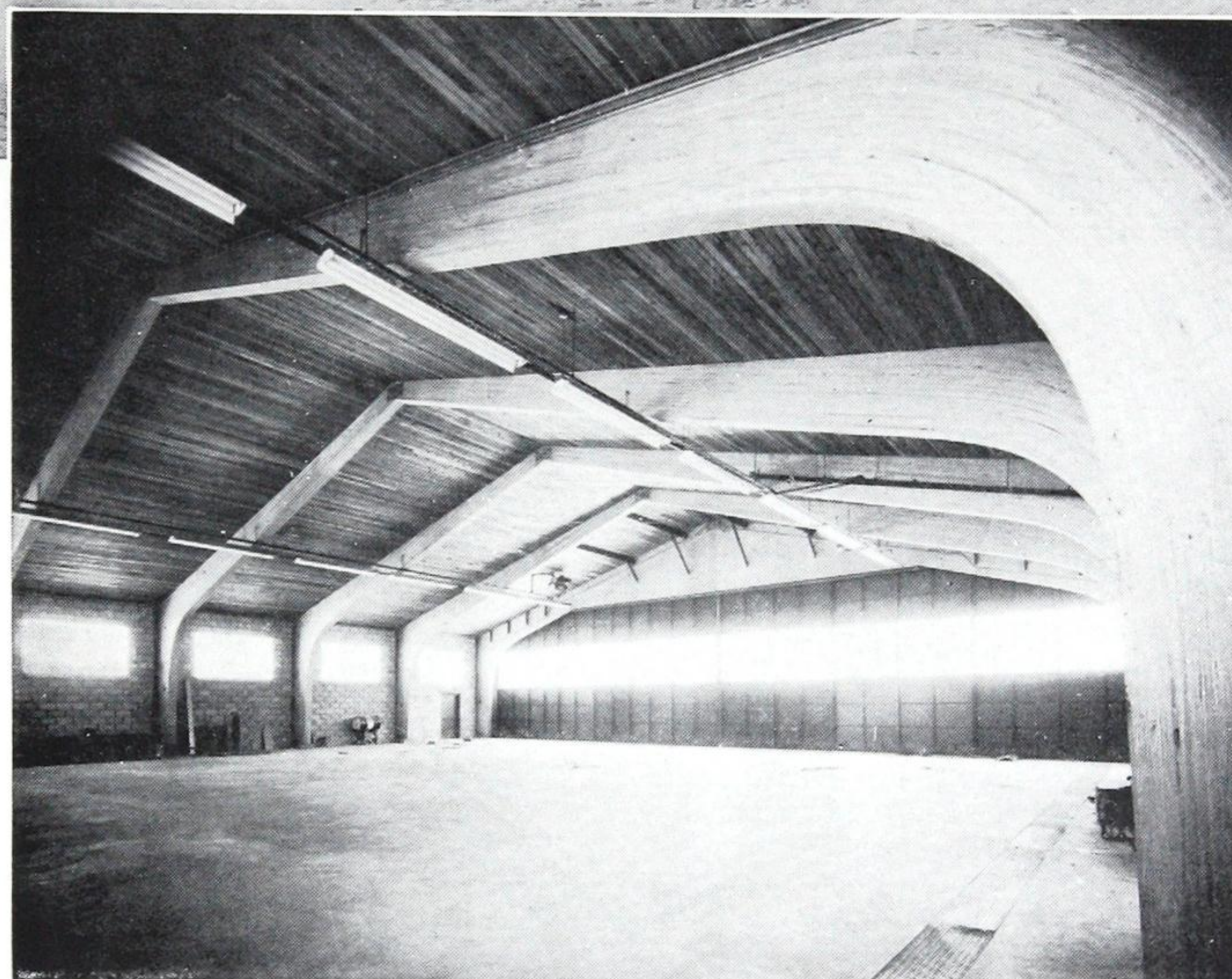


Below: Foster Freight Lines Truck Terminal, Indianapolis, Indiana. Bowstring trusses, 60' span, spaced 20' on center fabricated by Weyerhaeuser Timber Co., Longview, Washington, and furnished through Burnet-Binford Lumber Co., Indianapolis.





Above: Westchester Hangar, White Plains, N. Y. TECO shear plates were used in 250' clear span timber trusses for this triple bay hangar. Fabrication by Timber Structures, Inc., Portland, Oregon.

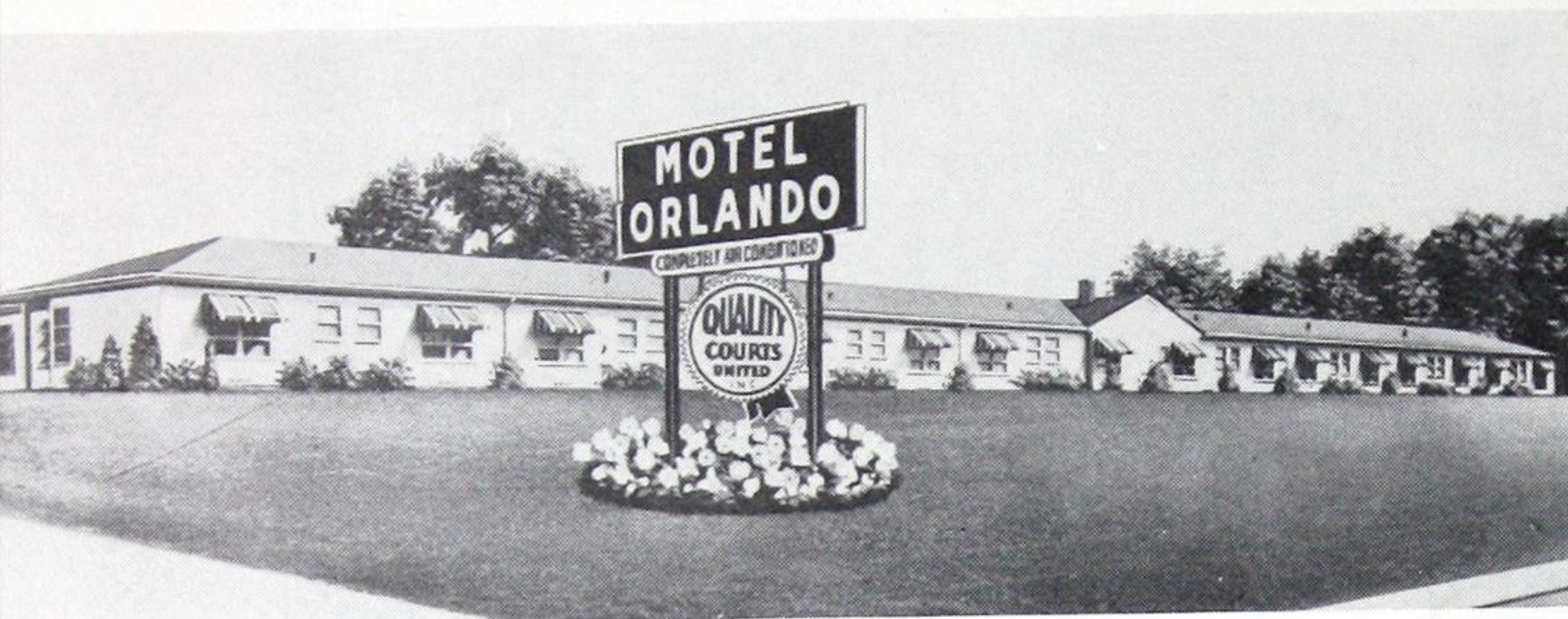


Right: Low-V glulam arches, 87' long, were used in this hangar for the Miller Brewing Co., Milwaukee, Wisconsin. Fabrication by Unit Structures, Inc., Peshtigo, Wisconsin.

Below: Systems Terminal, Portland, Oregon, using 84' and 60' span segmental bowstring trusses.



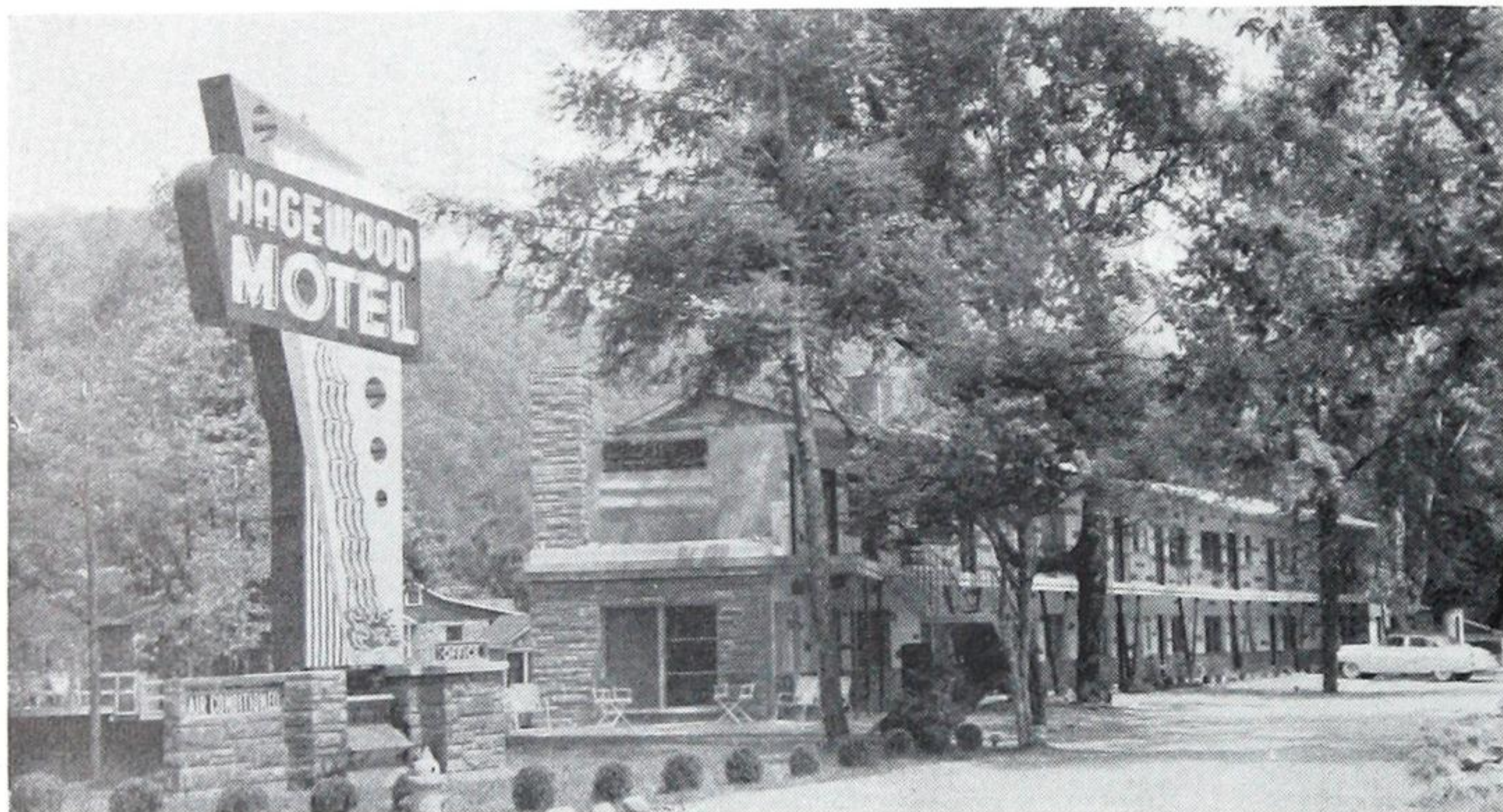
MOTELS



Above: Orlando Motel, Decatur, Illinois. TECO trussed rafters 50' span fabricated by G. S. Lyon & Sons Lumber and Manufacturing Co., Decatur.

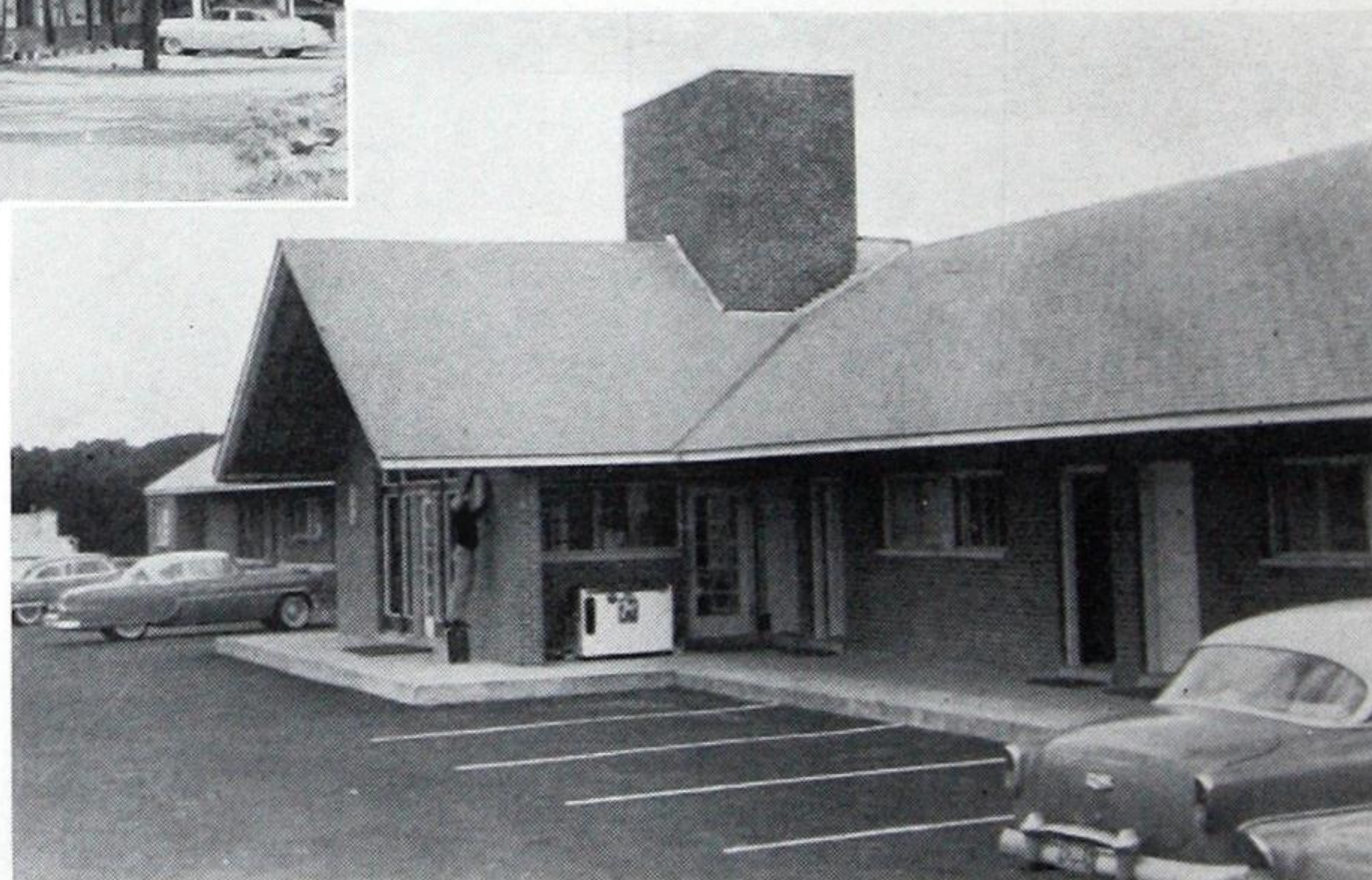


Above: The Hyatt House Motel, Los Angeles. Special glued laminated arches fabricated by Summerbell Roof Structures, Los Angeles.

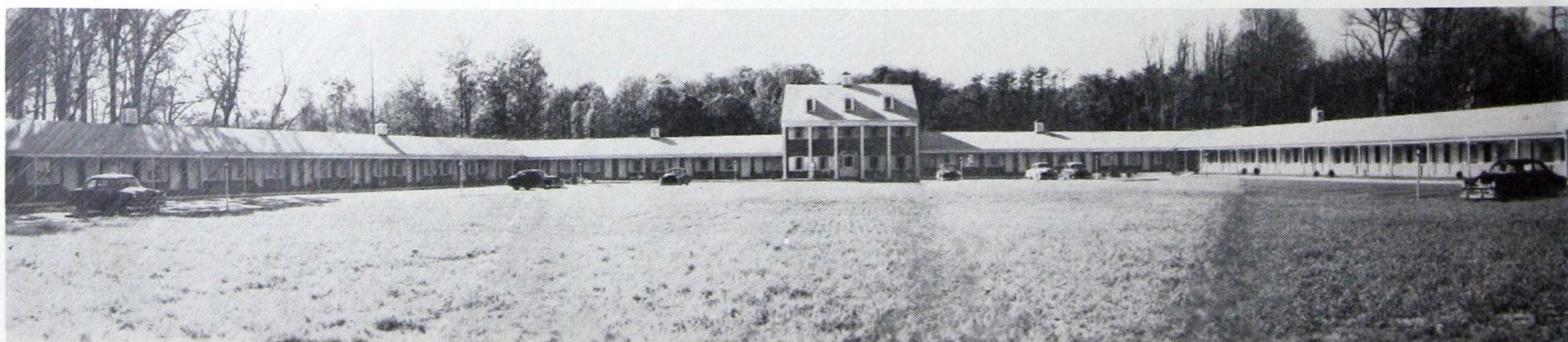


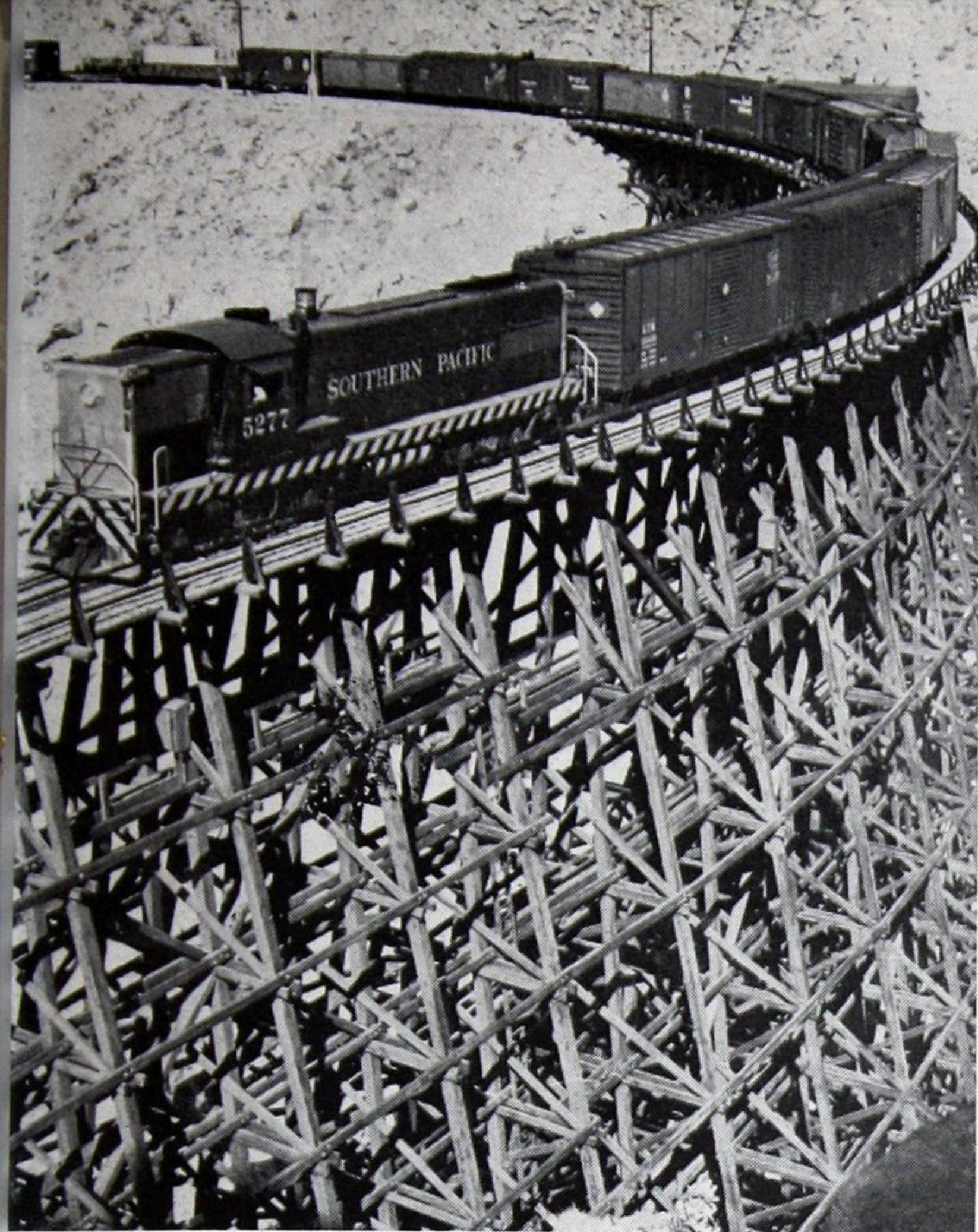
Above: Hagewood Motel, Gatlinburg, Tennessee, using TECO trussed rafters and Trip-L-Grip framing anchors. TECO connectors and framing anchors furnished through Construction Services Co., Knoxville.

Below: TECO trussed rafters, 31' span, were used in the Ainsworth Motel, near Alexandria, Virginia. Truss fabrication by James H. Carr, Inc., Washington, D. C.



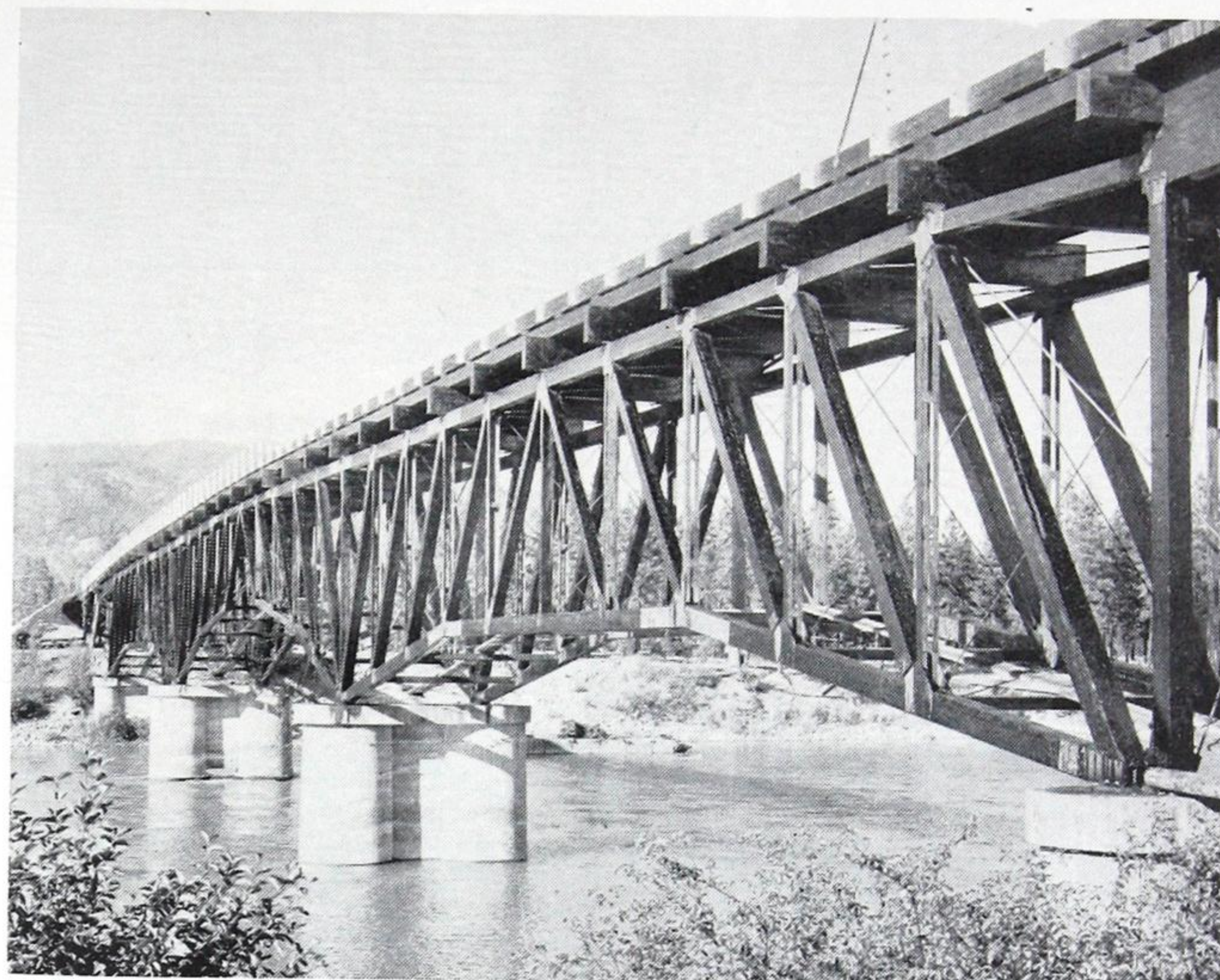
Below: Colonial Manor Motel, near Rockville, Maryland. Clear span TECO trussed rafters 42' span. Fabrication by James H. Carr, Inc., Washington, D. C.





Above: Timber trestle, Carriso Gorge, California, for Southern Pacific Railroad.

BRIDGES



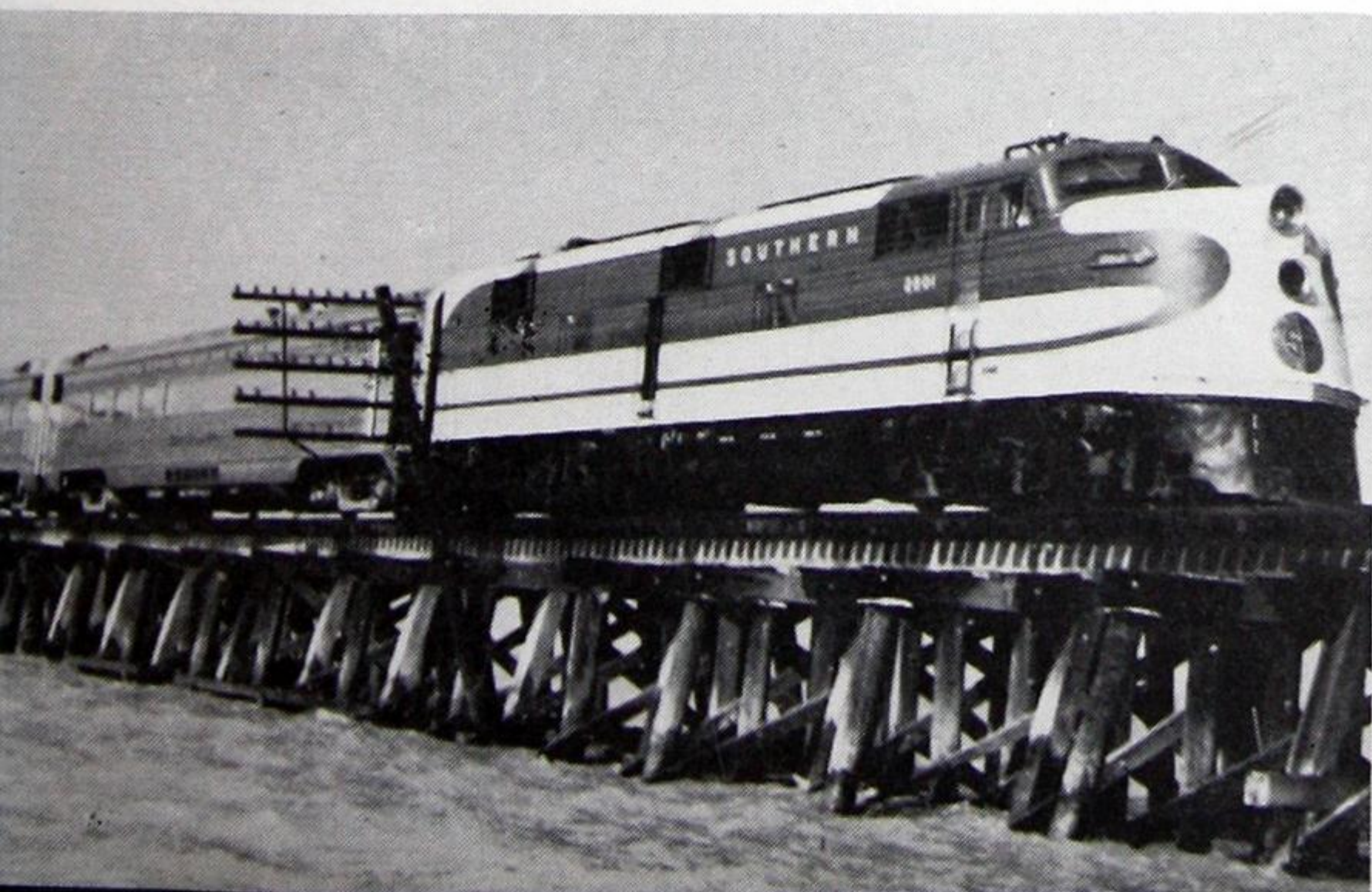
Above: Logging bridge, Kootenai River, Montana, for the J. Neils Lumber Co., Libby, Montana. Fabrication by Timber Structures, Inc.

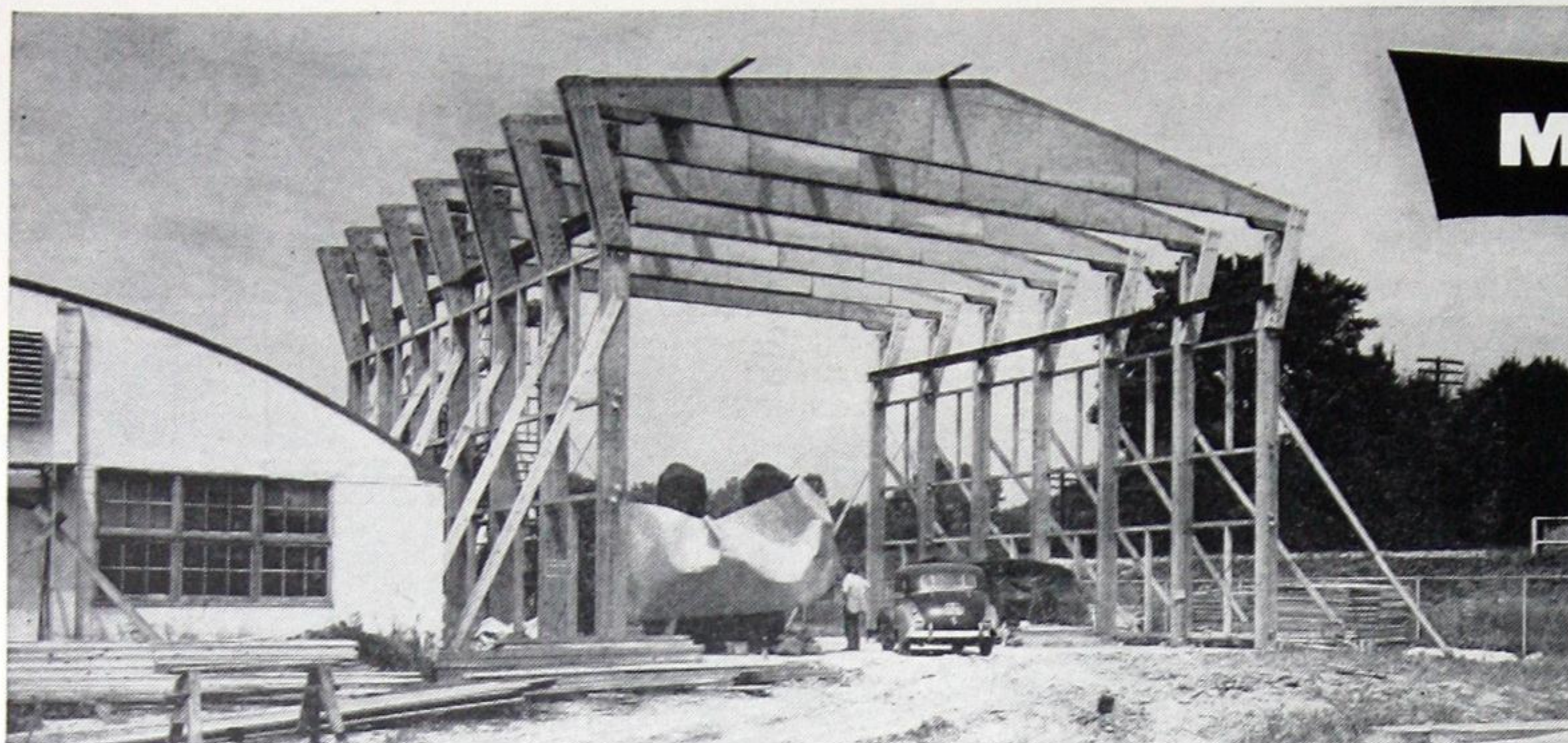


Left: Covered bridge, Charlemont, Massachusetts. 100' Warren trusses fabricated by Timber Structures, Inc., Portland, Oregon.

Below left: Railway trestle for Southern Railway, near New Orleans on Lake Ponchartrain.

Below: Highway bridge, 120' span, Cowlitz County, Washington. Fabrication by Weyerhaeuser Timber Co., Longview, Washington.





MISCELLANEOUS

BUILDINGS

Above: Research building for Universal Match Corporation, Ferguson, Missouri. Tapered plywood girders, 50' span, fabricated by Miller-Gardner Fabrication Co. Assembly and erection by Roof Structures, Inc., Webster Groves, Missouri.

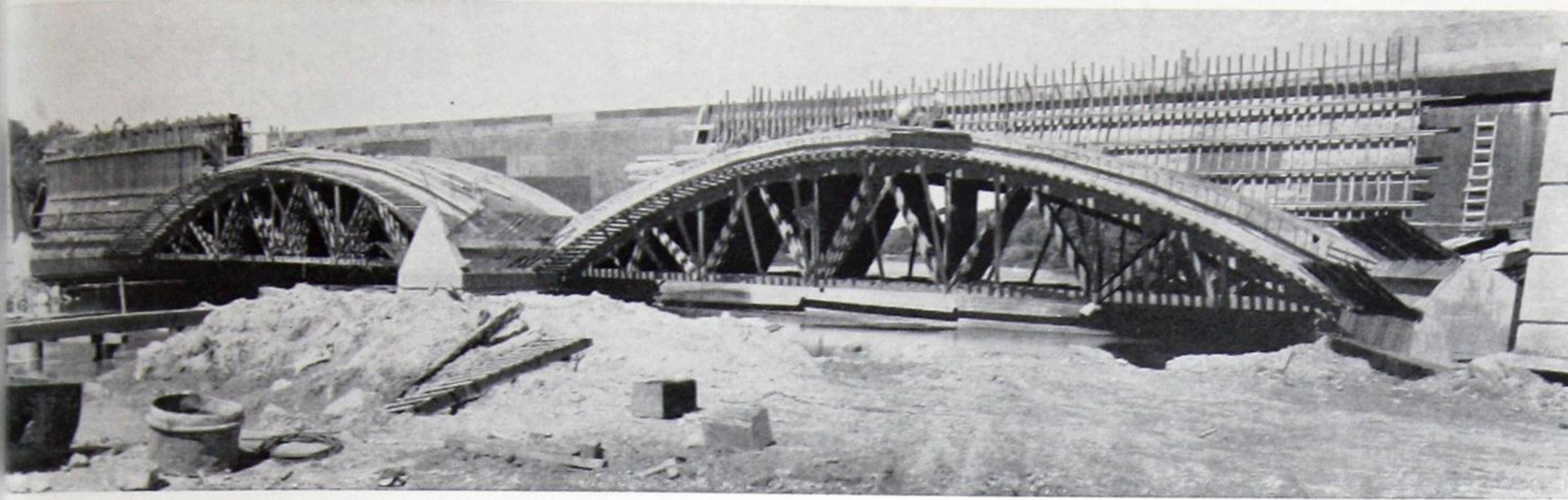
Right: Net locker, Port of Tacoma, Washington, with 17 40' monochord trusses fabricated by Timber Fabricating Co., Tacoma.



Left: 240' x 76'5" crane shed, North Vancouver, British Columbia, using 4" TECO split rings. TECO connectors were furnished through TECO Canadian distributor, J. E. Goodman Sales Ltd., Toronto.

Below: TECO trusses, 26' span, and 50' Fink trusses were used in dormitories for the Michigan Reformatory, Ionia, Michigan. Fabrication by Rilco Laminated Products, assembly and erection by Timber Services, Inc., Ferndale, Michigan.

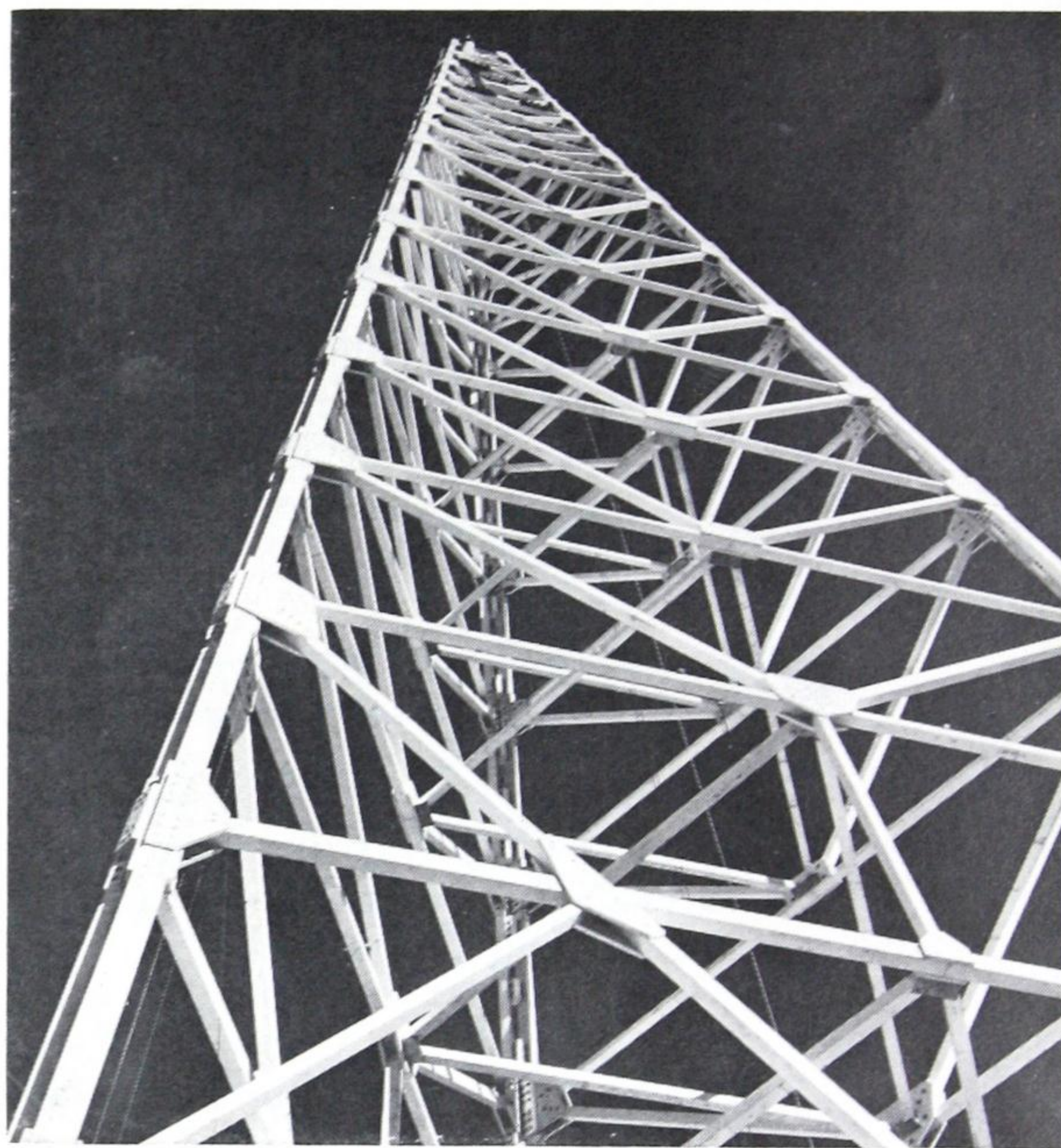
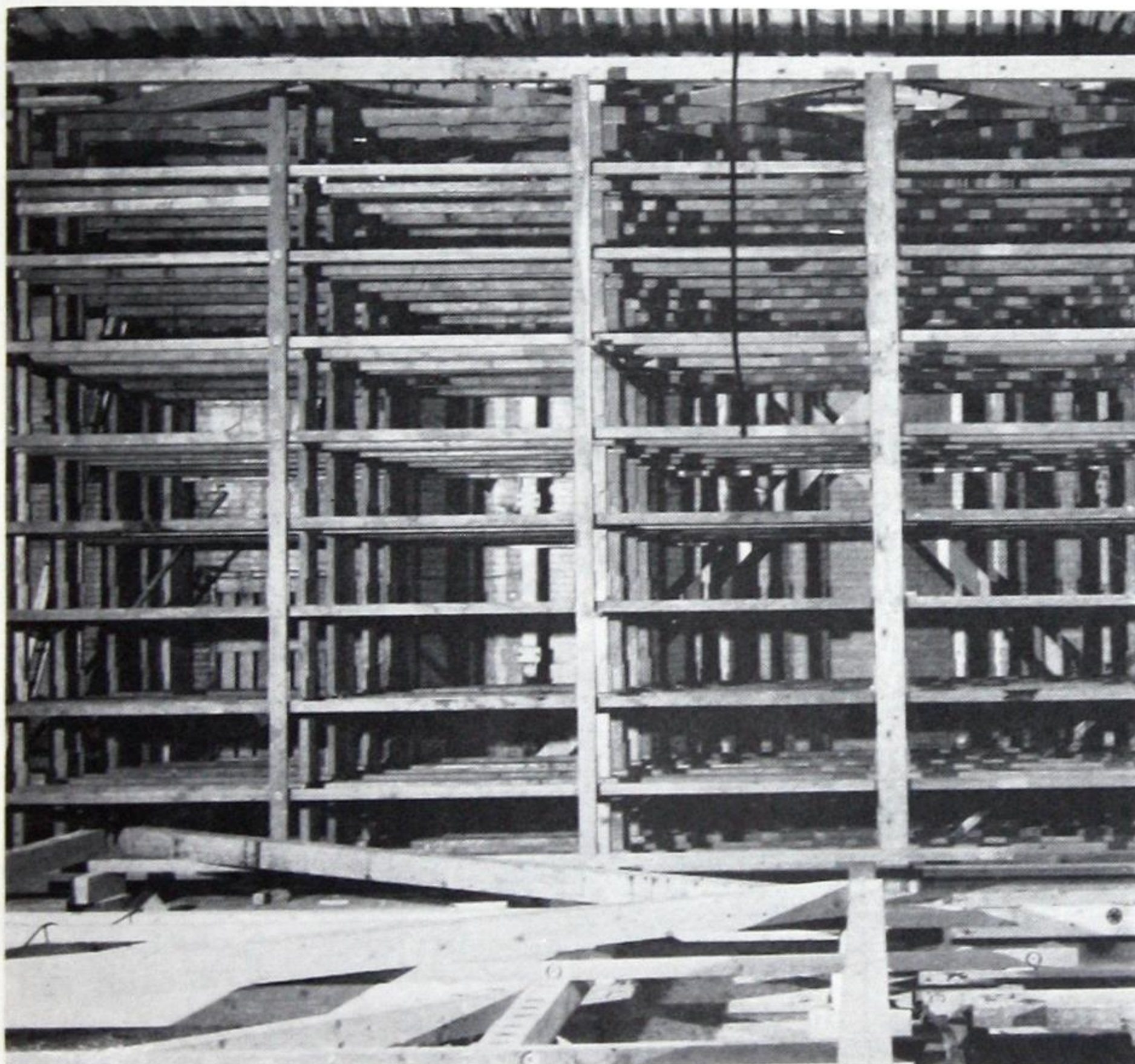




Left: Bowstring trusses 80' long, fabricated by Cartwright & Morrison Holcomb, New York, hold form for pouring a concrete arch over the Concord River, Billerica, Massachusetts.

Right: Target Tower 357' high, at Naval Ordnance Test Station, Inyokern, California, using TECO shear plates. Fabrication by Summerbell Roof Structures, Los Angeles.

Below: TECO shear plates and split rings were used in this earthquake resistant barrel rack designed under the supervision of Timber Engineering Co. of California for Hiram Walker & Sons, Santa Rosa, California.



Below left: Combination crib and granary on Fred Wilke farm, near Albert Lea, Minnesota. TECO connected arches fabricated by Rilco Laminated Products, Albert Lea.

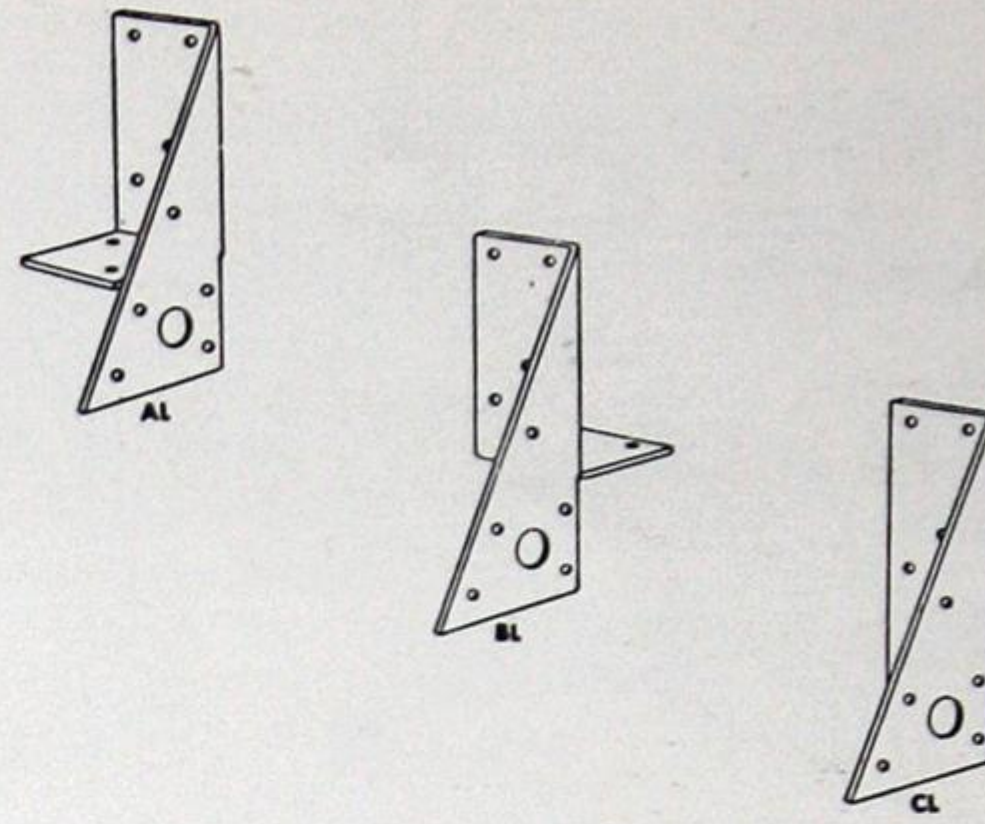
Below: TECO trussed rafters were used to achieve good appearance, flexibility and economy in Southern Railway's modernized passenger station at Raleigh, North Carolina.



Trip-L-Grip

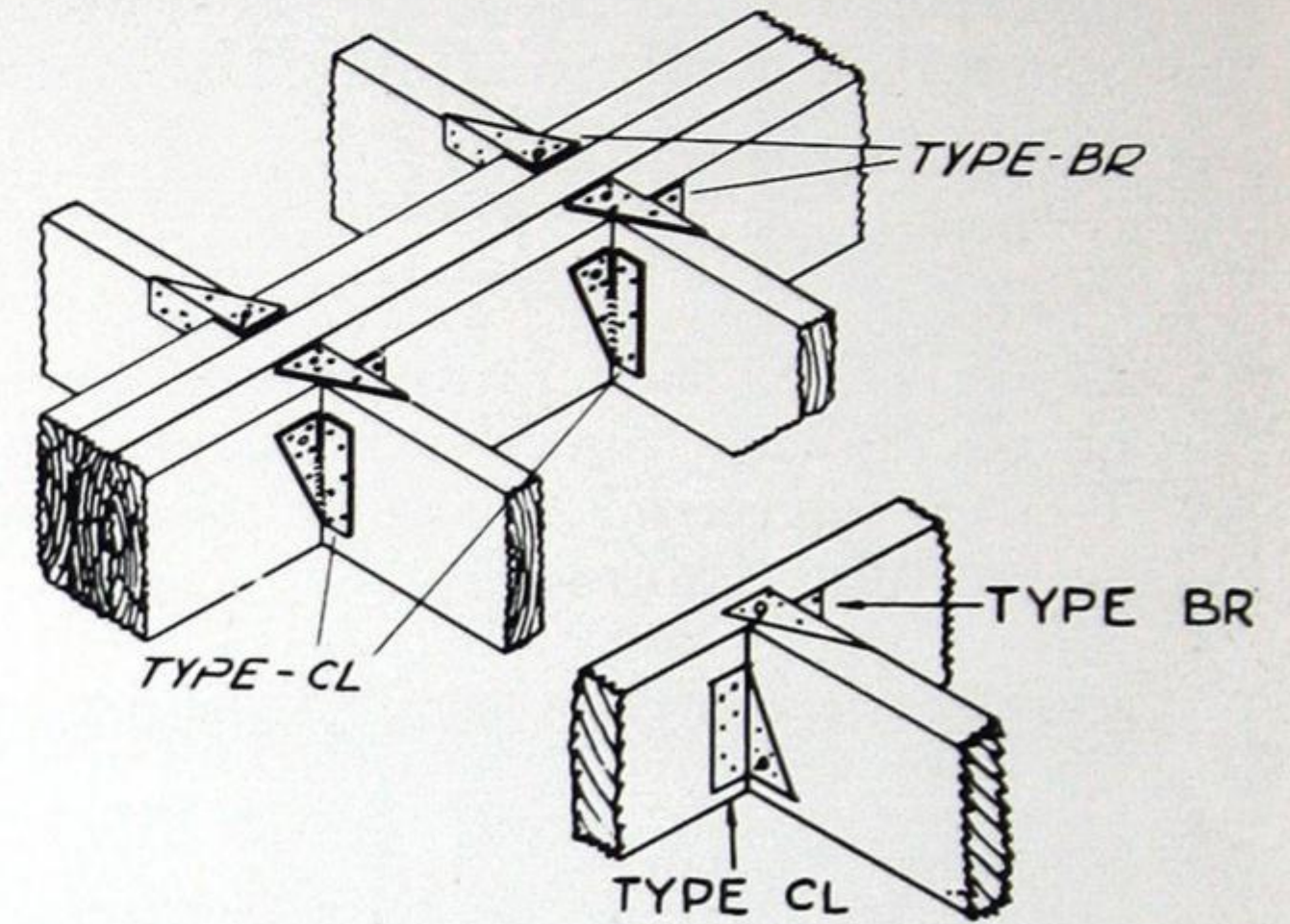
FRAMING ANCHORS

for stronger nailed joints in wood



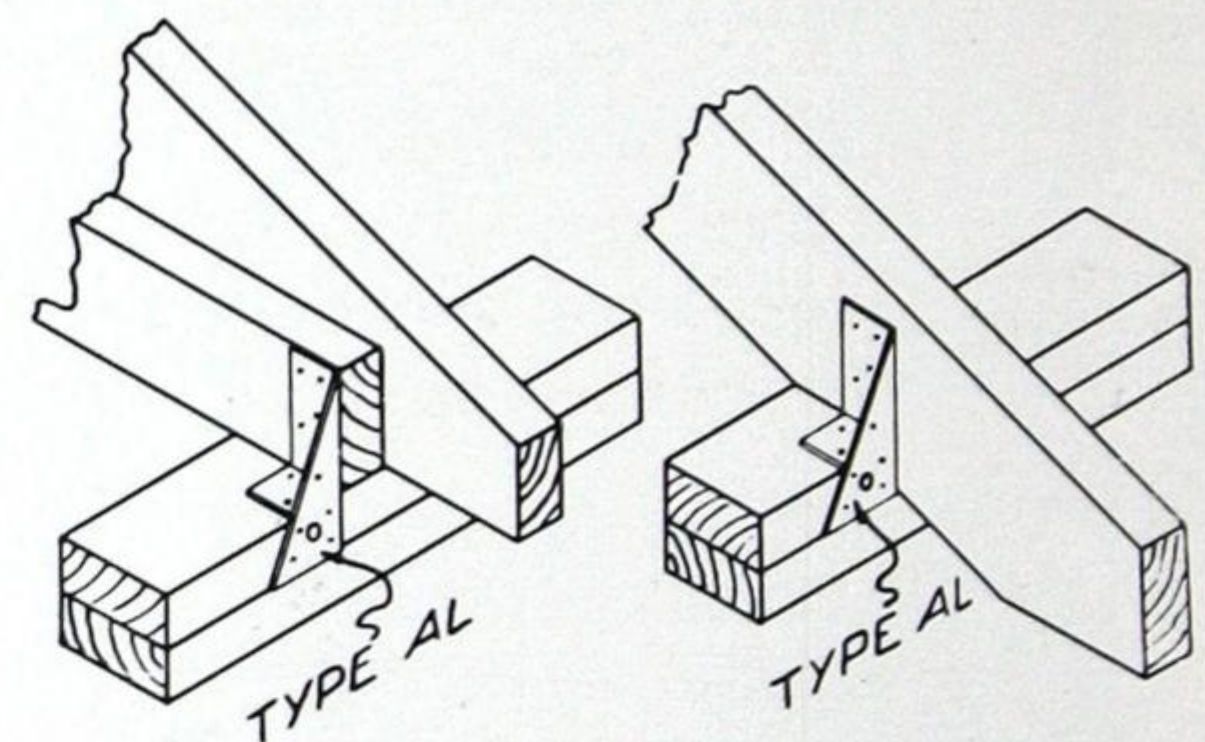
FLOOR AND CEILING FRAMING

There is no better floor and ceiling joist support than TECO Trip-L-Grips. The notching or shimming of uneven joists to fit fixed depth joist hangers is avoided. No notching over ledgers is needed. Shrinkage effects are minimized. Floors are automatically leveled. For floor loads Types B and C anchors are frequently used. The Type B anchor is placed on top to align the joist and header. The Type C anchor carries the major portion of the load.



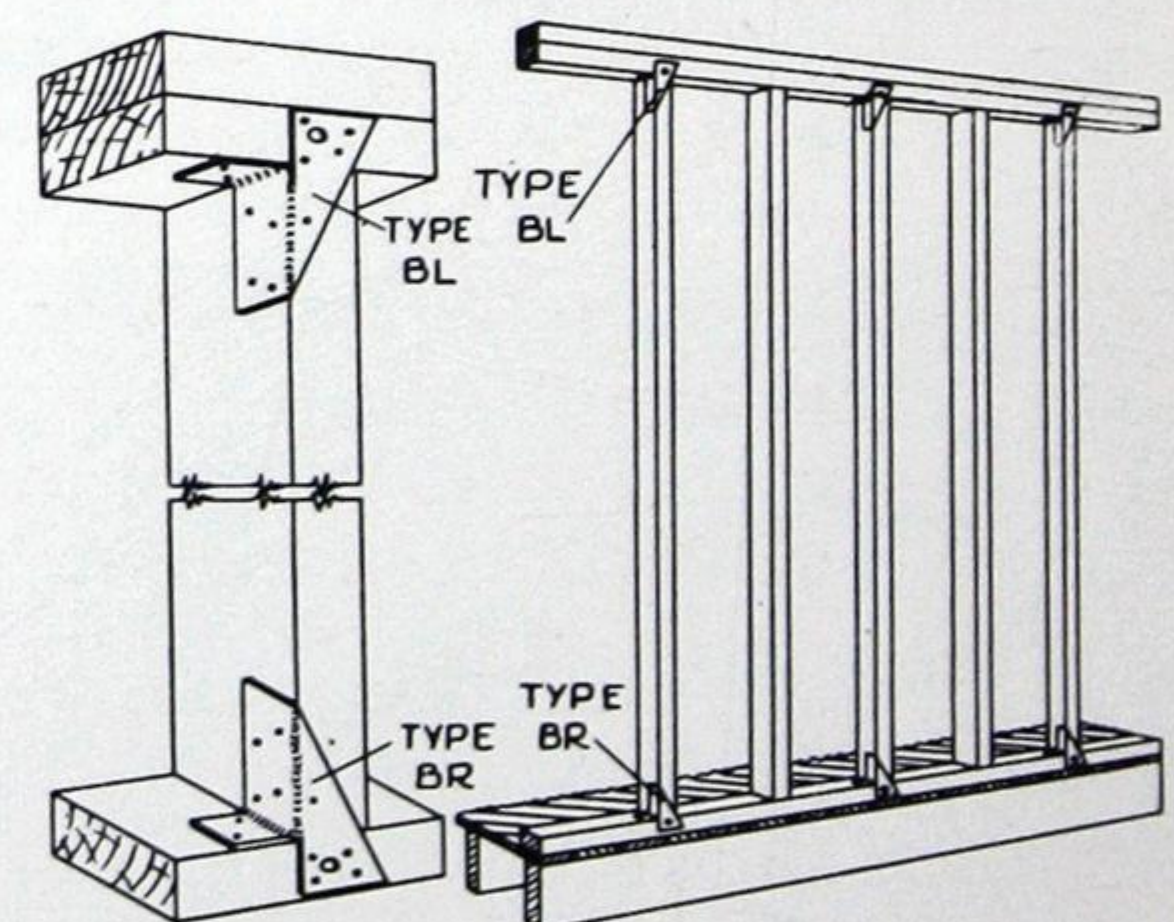
RAFTERS OR JOISTS TO PLATE

Damage to roofs results from wind forces. Wind pressures and suctions tend to lift the roof off the improperly anchored building and also produce racking in the frame which supports the roof. Much stronger than toe nailing, Trip-L-Grips tie the roof securely against uplift due to wind. Placed on the plate in advance of erection, Type A Trip-L-Grips form automatic spacers for rafters or joists.



WALL FRAMING

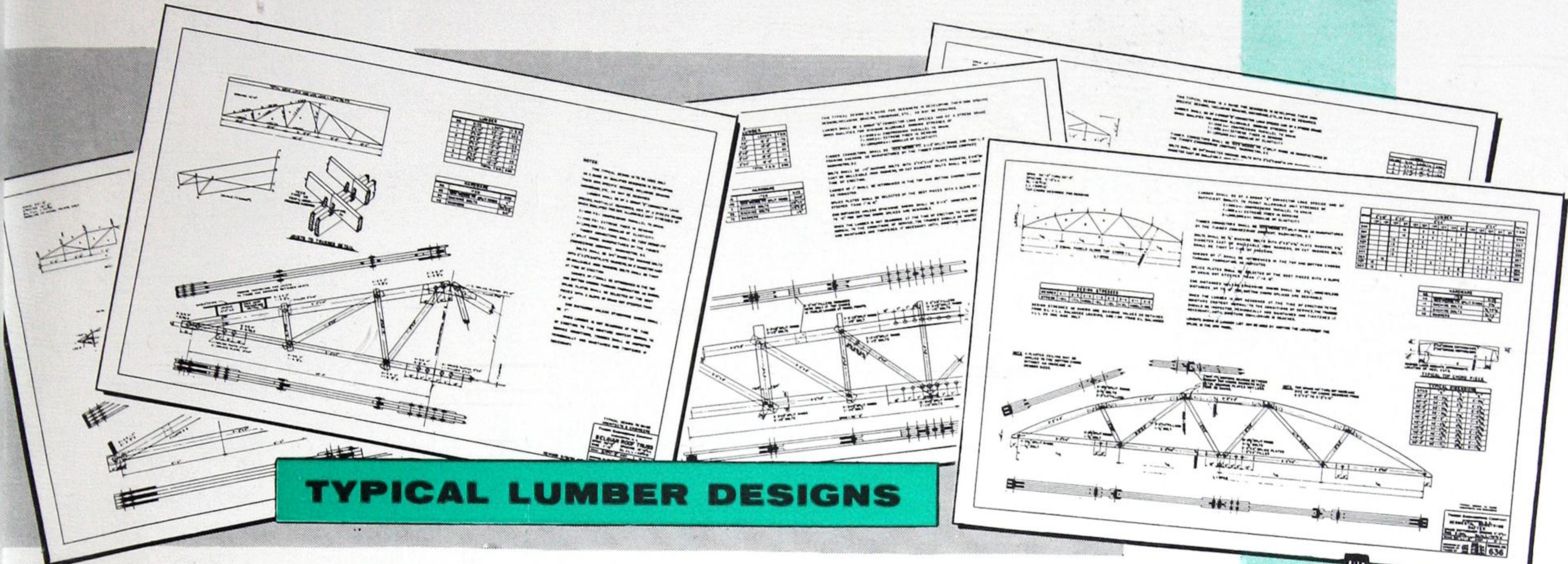
In construction of frame walls, Type B Trip-L-Grips accurately and economically fasten girts to columns making a much stronger connection than toe nailing and eliminating notching. In hurricane, cyclone and earthquake areas, Type B Trip-L-Grips fasten studs to sill and plate for greater strength and rigidity. The Type B can also be used to advantage for lintel and sills to jamb in wall construction; eliminating the need for inner studs in non-bearing walls.



... where wood joins wood with space to nail specify *Trip-L-Grips*

TECO

DESIGN SERVICES



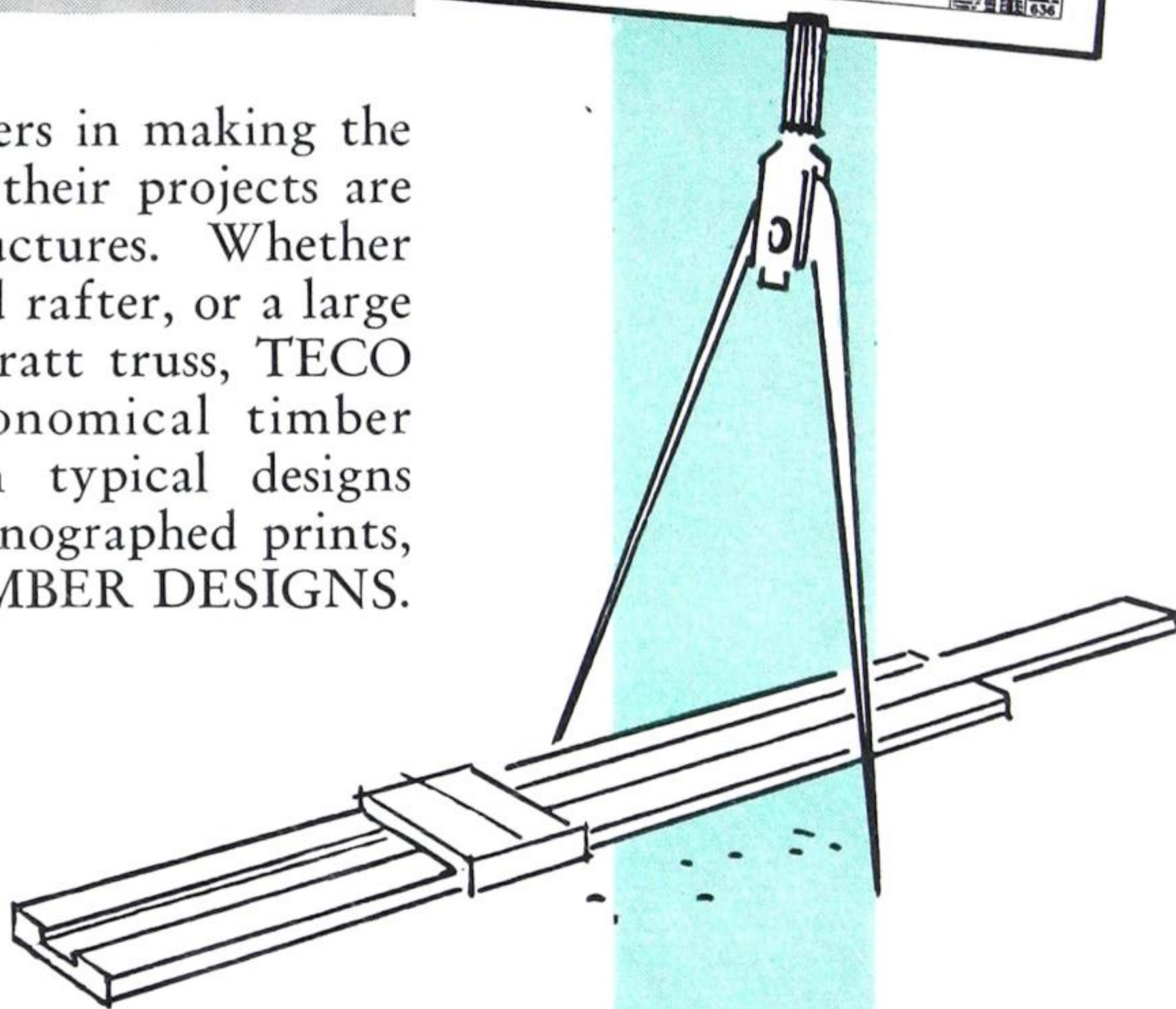
TYPICAL LUMBER DESIGNS

Available to assist architects and engineers in making the most efficient use of structural timber in their projects are over 250 typical designs of all types of structures. Whether it's a ranch style home using a light trussed rafter, or a large warehouse requiring a bowstring or flat Pratt truss, TECO has suggested designs for the most economical timber framing. For complete information on typical designs available without charge in 11" x 17" planographed prints, send for your free copy of TYPICAL LUMBER DESIGNS.

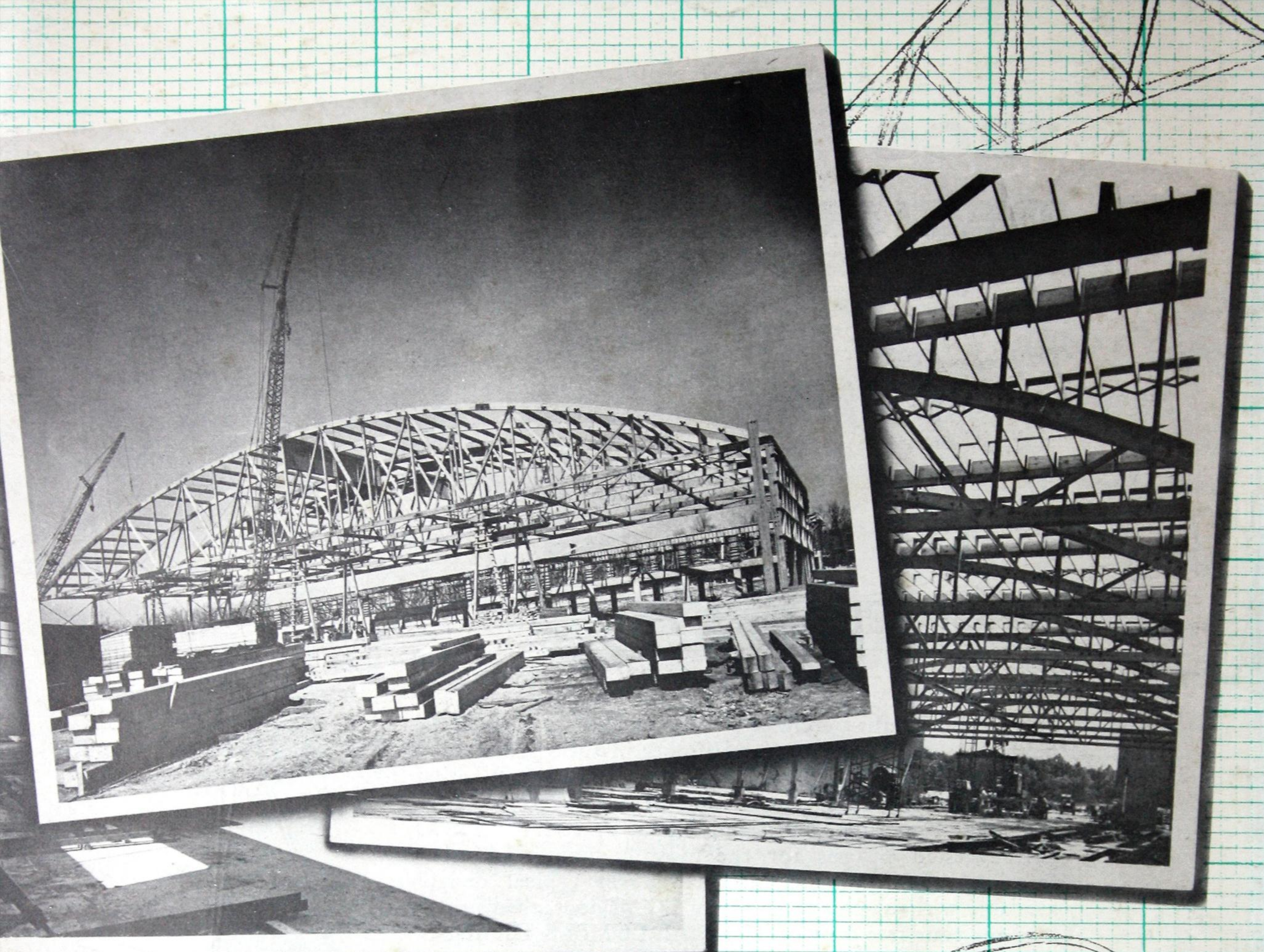
DESIGN CONSULTATION

TECO engineers, with long experience in timber design problems, stand ready to assist architects, engineers and other users of lumber in designing with timber. Structural engineers on the staff are available for consultation in the preparation of designs. Their services are also available without charge in examining plans for the adequate and proper use of TECO connectors.

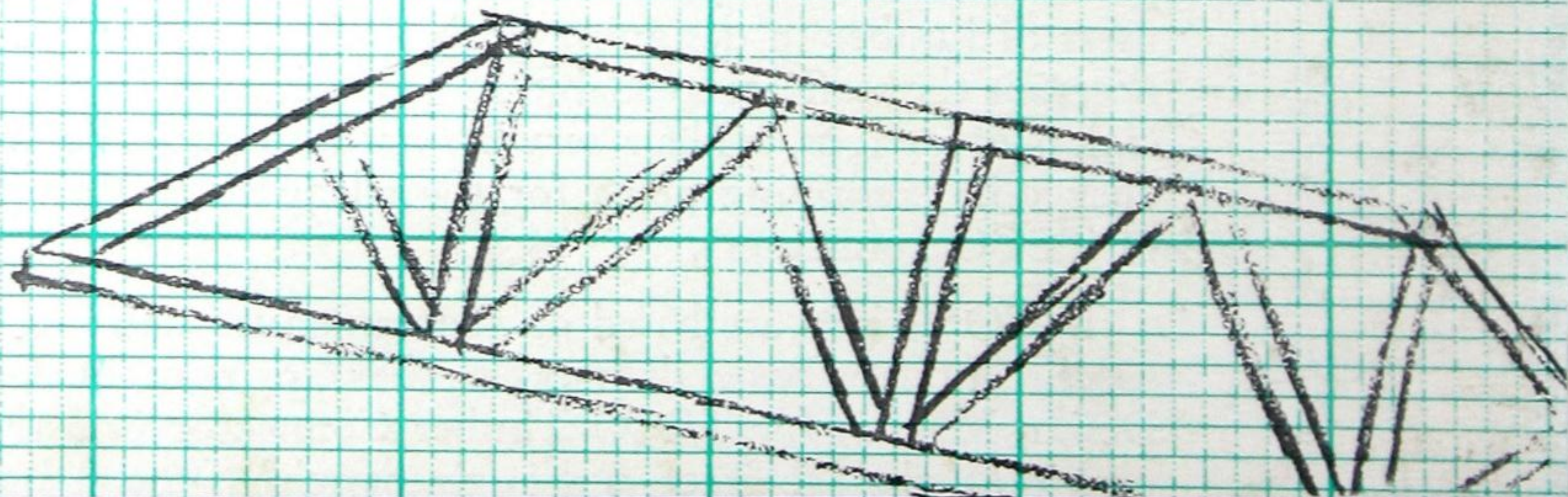
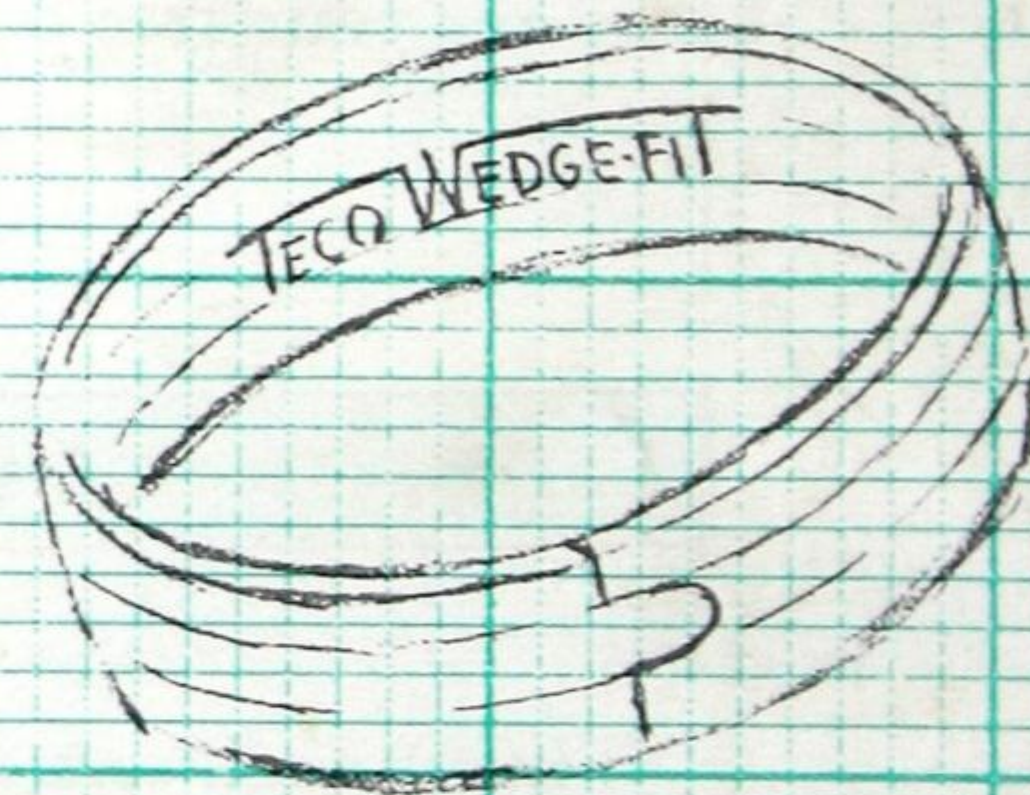
TECO designs are based on recommended national design specifications. Basic data on timber are contained in the Design Manual for TECO Timber Connector Construction providing the architect and engineer with fundamental information for use in timber designing. TECO literature is available upon request.



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*Complete data on the
Teco System available
from*



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